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CHEMIST THE UGGIST

ESTABLISHED 1859

The weekly newspaper for pharmacy and all sections of the drug, pharmaceutical and fine chemical, cosmetic, and allied industries

Official organ of the Pharmaceutical Society of Ireland and the Pharmaceutical Society of Northern Ireland

Volume 175

March 11, 1961

No. 4230

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PUBLISHED BY

MORGAN BROTHERS (PUBLISHERS), LTD., at 28 Essex Street, Strand, London, W.C.2

Telephone: Central 6565

Telegrams: Chemicus, Estrand, London
WOLVERHAMPTON: 89 Woodland Avenue, Tettenham Wood.
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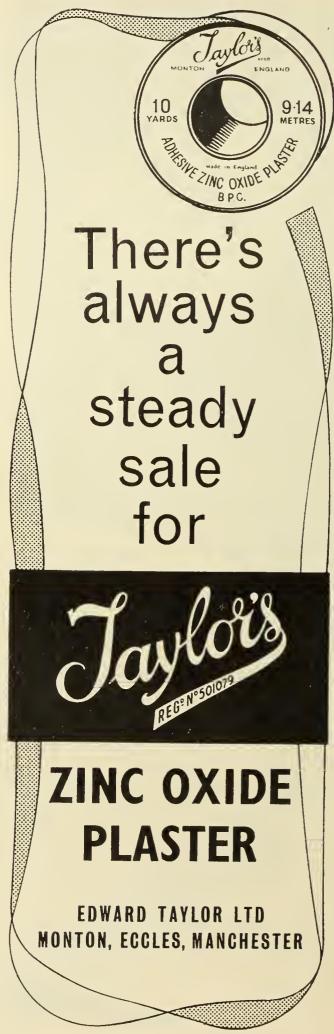
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Volume 175

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Food Labelling

COMMITTEE UNDERTAKES REVIEW

THE Food Standards Committee has undertaken to review the labelling provisions of the Labelling of Food Order and of other food regulations, disregarding at present the provisions relating to advertisement.

The Committee invites written evidence from organisations on matters within the scope of the review, especially on whether any of the present exemptions from the basic requirements of the Labelling of Food Order should be withdrawn; whether any of the basic requirements should be applied to foods other than prepacked foods; the extent to which the presence of chemical additives should be declared on labels; what declarations should be made when a food is used as an ingredient of another food; whether the use of generic descriptions should be restricted or extended; whether the labelling provisions on tonic, restorative, medical, vitamin and mineral claims need amendment. Evidence should be sent so as to reach the Joint Secretary, Food Standards Committee, Great Westminster House, Horseferry Road, London, S.W.1, not later than May 4.

Narcotic Drugs

ESTIMATED REQUIREMENTS FOR 1961

THE following figures taken from the Estimated World Requirements of Narcotic Drugs in 1961 (H.M. Stationery Office, price 7s.) give (in kilos) the United Kingdom requirements (world requirements in parenthesis):—Cocaine 110 (1,765); diacetylmorphine 50 (77·8); hydrocodone 2 (1,488); hydromorphone 0·5 (128·6); morphine 17,120 (133,772); oxycodone 1 (613·5); oxymorphone 1 (17·9); thebaine 201 (3,241); benzethidine 2 (2); dextromoramide 4 (405); diethylthiambutene 5 (12·35); dipipanone 50 (74·5); furethidine 2 (2); levorphanol 4 (40·29); methadone 75 (630·5); pethidine 1,150 (16,500); phenoxadone 16 (24·58); phenazocine 3 (28·7); codeine 9,900 (109,068); dihydrocodeine 110 (3,096); ethylmorphine 155 (8,773); pholcodine 430 (1,663). The estimated requirements of the Republic of Ireland are: Cocaine 5·5 kilos; diacetylmorphine 250 gm.; hydrocodone 250 gm.; hydromorphone 75 gm.; morphine 16 kilos; oxycodone 25 gm.; dextromoramide 2 kilos; diethylthiambutene 500 gm.; dipipanone 3·5 kilos; levorphanol 200 gm.; methadone 3 kilos; normethadone 1 kilo; pethidine 60 kilos; phenoxadone 100 gm.; phenazocine 100 gm.; codeine 150 kilos; dihydrocodeine 500 gm.; ethylmorphine 750gm.; pholcodine 4 kilos.

Dispensing Doctors

EXPENSIVE DRUGS LIST EXTENDED

THE Minister of Health has amended the list of specially expensive drugs for the supply of which doctors receive payment over and above their capitation fees. The following preparations have been added: Framycetin cream and ointment (Framygen, Soframycin); furaltadone tablets (Altafur); furazolidone tablets (Furoxone); imipramine (Tofranil); nitrofurantoin tablets (Biotexin, Albamycin, Cathomycin). The entry in the current list relating to hydrochlorothiazide is amended to include preparations of hydrochlorothiazide "whether or not containing reserpine with or without potassium chloride" (Direma, Serpasil-Esidrex, Salupres). The Ministry state the Amendments are effective from February 1.

Anglo-Czech Trade

QUOTAS ESTABLISHED FOR 1961

AGREEMENT has been reached with the representatives of the Czechoslovak Ministry of Foreign Trade about quotas for Anglo-Czechoslovak trade in 1961. The quota lists make provision

for Czechoslovak purchases during 1961 of about £5.6 millions of United Kingdom goods including chemical plant (£300,000); chemicals including pharmaceuticals (£650,000); and phenol, £150,000. The quota lists also provide for the issue of United Kingdom import licences for Czechoslovak goods up to a total of about £8 millions including pharmaceutical and fine chemicals, £120,000. The quotas are additional to the trade in goods which can, under the present United Kingdom import licensing regulations, be imported from Czechoslovakia and other countries without a specific import licence.

Agricultural Chemicals

REVISED SAFETY RECOMMENDATIONS

REVISED precautions to be observed during the use of phenkapton sprays have been issued by he Ministry of Agriculture, and the compound is recommended to be included in the Agriculture (Poisonous Substances) Regulations as a Second Schedule, Part III substance. It is intended to amend the Regulations accordingly, and operators are being required to wear a faceshield and rubber gloves when opening a container, or diluting, mixing or transferring phenkapton concentrate from one container to another. Protective clothing is not required for outdoor operations using the diluted material. The compound may be used on a non-edible crop, but on apples, pears and plums there should be two weeks between the last application and harvesting, and with blackcurrants four weeks. There was not enough informa-



SIGNPOST FOR AN EXHIBITION: An unusual sight outside any pharmacy, the "Newquay" in the illustration was used by Mr. R. H. C. Gillis, 17 Cliff Road, Newquay, to arouse interest in an exhibition, staged at his pharmacy, of 400 quarter-plate photographs of Old Cornwall (with the emphasis on old Newquay). The exhibition was held to raise funds for the Newquay Rowing Club, which has a fleet of seven ancient pilot gigs dating from 1812 to 1873. The boat in the picture was built at St. Mawes, nr. Falmouth, in 1812 and is still regularly in use.

tion to enable recommendations to be made in respect of other edible crops. Animals and poultry should be kept away from phenkapton spray and from sprayed areas for at least two weeks. The Ministry state that, though there was evidence that phenkapton was much less toxic to bees than certain other organo-phosphorus compounds it was advisable to avoid spraying when fruit or inter-planted crops were in flower, and to keep down flowering weeds in orchards. Contamination of neighbouring crops, ponds, streams, etc., should be avoided and containers stored tightly closed, away from children, livestock, etc. Used containers should be burned or safely disposed of.

New recommendations for mecarbam, S - (N - ethoxycarbonyl - N - methyl - carbamoylmethyl) diethyl phosphorothiolothionate, issued by the Ministry indicate that mecarbam is to be included in the Agriculture (Poisonous Substances) Regulations as a Second Schedule, Part III, substance and operators will be required to wear protective clothing as for phenkapton.

The use of mecarbam on a non-

cdible crop was acceptable. When applied to apples and pears the Ministry recommend a maximum of four applications, each at 10 oz. (i.e., $12\frac{1}{2}$ fl. oz. of 80 per cent. w/v proprietary solution) per 100 gal, high volume. If applied medium or low volume, the quantity of active ingredient used per acre should not exceed that which would have been applied high volume. There was insufficient information on which to base recommendations for the safe use of mecarbam on other edible crops. There should be a minimum interval of two weeks between the last application of mecarbam and harvesting an edible crop. Animals and poultry should be kept away from sprayed areas for at least two weeks. To prevent injury to bees, spraying should be avoided when crops and weeds are in flower. Carc should be taken not to contaminate neighbouring crops ponds, streams, rivers and water courses with mecarbam concentrate, spray or washings. Containers should be stored, tightly closed, in a safe place away from child-ren, livestock, food, feedingstuffs and water supplies. Used containers should be burned; or buried or otherwise safely disposed. A preparation of mecarbam is marketed by the Murphy Chemical Co., Ltd., Wheathampstead, St. Albans, Herts, under the trade name Murfotox, but the company states supplies are, as yet, only available for export.

IRISH NEWS

THE REPUBLIC

Choice of Pharmacist

PLEA FOR GREATER FREEDOM

THE president of the Council of the Pharmaceutical Society of Ireland (Mr. F. Loughman, T.D.), speaking in the Irish National Health Service debate in the Dail on February 15, urged that, as well as a choice of doctor, recipients under the scheme should also be given a choice of pharmacist. "I do not say that simply because I am a pharmacist. I have some knowledge of the people who attend dispensaries. I have given out medicines in dispensaries here in Dublin and in Clonmel for over forty years." He added: "I know that if a person attending a dispensary were years." given an opportunity of going to a medical hall to get the medicine pre-scribed he would travel three miles to that medical hall rather than take what is given out to him at the dispensary. Mr. Loughman went on to say that, under the dispensary system, the doctor had twenty, thirty or more patients. He wrote out a prescription and it was taken across to the compounder to be made up. Often the patient would have to wait in the dispensary for half an "I do not believe." said Mr. Loughman, "that it would be much more expensive to the State if, as well as the choice of doctor, the patient was also given the choice of chemist." The objection had been raised that that would be difficult to arrange in rural areas. "If the choice were given," he said, "I believe patients would travel the five or six miles to the nearest medical hall to get the medicine prescribed by the doctor. Mr. M. J. O'Higgins agreed that dispensary patients should have a free choice of doctor.

Pharmacy Students

MUNICH CONGRESS ARRANGEMENTS

MEMBERS of the Irish Pharmaceutical Students' Association who wish to attend the Congress of the International Pharmaceutical Students' Federation in Munich, are asked to communicate with the Liaison Secretary, College of Pharmacy, Dublin, or directly with Mr. T. Cashman. 161 St. Mobhi Road. Glasnevin, Dublin. Closing date for the applications. which must be accompanied by a deposit of 20s., is Monday. April 10. Pharmacists who have been qualified for more than five years are



DINERS AND GUESIS: Two trios photographed at the annual dinner of the Wholesale Drug Federation of Ireland. Left: Messrs. R. Richmond (vice-chairman and treasurer), M. G. Durean (chairman) and John Walsh (secretary). Right: Mesdames D. Leonard, M. G. Durean and J. G. Coleman.

not eligible. The Irish party will leave Dublin on August 31 and return on September 11. The cost of the trip, including travel, accommodation, and all the tour activities in Germany, is to be about forty-five guineas. The Congress headquarters will be on the estate of the Sports Academy at Grunwald, Munich, and there is to be an official welcome by the mayor of Munich. There will be opportunities of seeing the modern pharmaceutical laboratories of Munich University, the atom-reactor at Garching, the woodcarvers of Oberammergau, and of discussing pharmaceutical topics with local pharmacists.

THE NORTH

Health Board

JANUARY MEETING

THE Northern Ireland General Health Services Board is withholding 63s., 105s. and 147s, respectively from three chemists who were found in breach of their terms of service in allowing prescrip-tions to be dispensed without the direct supervision of a registered pharmaceutical chemist. In other complaints received by the Board it was recommended that one chemist should be reprimanded, two cautioned and no action taken against a third. At the same meeting (January 11) the minutes of the Finance and General Purposes Committee contained a report from the secretary that a bundle of December 1960 prescriptions, forwarded to the Board by registered post, had not been received. A note of the prescriptions posted, sent to the Board under separate cover. was duly delivered. Approval was given for an interim payment of £350 (approximately 80 per cent, of the estimated amount due) while the matter was under investigation. The Committee presented estimated accounts totalling £246,601 for pharmaceutical services for payment at February 28. It was reported that when the ary 28. It was reported that, when the Board went into committee after its January meeting, the secretary submitted (a) an application for admission to the Board's pharmaceutical list from a chemist who wished to open a shop. and (b) a report by the pharmaceutical officer on his visit to the premises. which were in the same building as a doctor's surgery with a communicating door which, it was stated, would be closed up if the application were approved. After consideration the Board decided not to approve the application.

IRISH BREVITIES

THE REPUBLIC

A whist drive organised by a committee of young pharmaceutical chemists, was held in the College of Pharmacy, Dublin, on February 22, in aid of St. Albert's Burse of the Medical Missionaries of Mary.

THE fourth annual dinner-dance of the Cork Chemists' Association was held in Cork on February 8. The Council of the Pharmaceutical Society of Ireland was represented by Mr. G. C. O'Neill (vice-president) who was accompanied by Mrs. O'Neill and the Irish Drug Association by Mr. B. Smith (secretary) and Mrs. Smith.

NEWS IN BRIEF

A MAN who broke into the Market Place, Kingston-on-Thames, branch of Boots, Ltd., recently, was arrested after starting the burglar alarm.

Two more Hospital Building Notes have been issued by the Ministry of Health—No. 10: Kitchens, and No. 11: Dining Rooms (H.M. Stationery Office, price 1s. 6d. each).

THE Swiss Federal Government has contributed to the World Health Organisation a sum representing half the cost of the medical studies for training four young Congolese students.

MASTER keys stolen recently from the head office of Heath & Heather, Ltd., St. Albans, were used to open and rob several of the company's London and provincial branches.

AT Guildford on March 2, about fifty members and guests of the Guildford Branch of the Pharmaceutical Society heard a talk by Mr. J. Maguire (Kodak, Ltd.), on cinephotography.

THE Wellcome Trust has provided a grant of £100,000 to the University of Otago, New Zealand, to build an Institute of Medical Research in Dunedin. The University of Otago has announced the creation of a special Chair of Research Medicine and that Professor Sir Horace Smirk will be the first holder.

Fire damaged the top and middle floors of the premises of Raimes. Clark & Co., Ltd., Smith Place, Leith, Edinburgh, on March 3. A provisional estimate puts the total damage at £70,000. It is understood that the company's distribution service to pharmacists is only slightly affected.

An experimental parking ban in the main shopping area of Gloucester was put into operation on February 26. In the most congested areas of the affected streets the ban operates on all seven days of the week; in other parts from 7 a.m. to 7 p.m., Monday to Saturday. Results of the experiment are being reviewed after three months.

New provincial salary scales for Co-operative officials have been ratified by the National Union of Co-operative Officials and the National Wages Board. They will operate as from November 7, 1960. For managing chemists the minimum and maximum rates of increase are £86-100. Metropolitan rates have yet to be decided.

To commemorate the work of Sir Alexander Fleming, a world-wide appeal is being launched in London and Edinburgh on March 16. The appeal fund is to be known as the Fleming Memorial Fund for Medical Research. The hope is that it will realise more than £1 million. The money is being used to finance medical research in several fields.

THE consumers test report on razor blades published by the Consumers' Association in the February edition of Which? states that "Blue Gillette Extra was outstandingly comfortable for a first shave. Blue Gillette and Wilkinson came next, but a long way behind. For subsequent shaves, Blue Gillette Extra and Wilkinson were both very comfortable. Blue Gillette came next."—[Corrected note.]

TOPICAL REFLECTIONS

By Xrayser

The awakening

From a long experience of the vagaries of our climate, pharmacists, in common with other members of the community, have been a little distrustful of the bursting buds and the early spring flowers, preferring not to trust the evidence of their senses so early in the year. But when the photographic issue of The Chemist and Druggist arrives, it is time to appreciate that the winter of our discontent is passing. Before many weeks have gone by we shall witness that section of the public which does not need to concern itself with Sunday rotas making its way to the seaside while the duty-bound chemist waits in the pharmacy in case a sudden influenza epidemic strikes those on pleasure bent. The illustrated pages of popular 35-mm. cameras—nearly three dozen of them—demonstrate the changes that have come into photography in recent years. So many things are done for the photographer in the way of measuring light and distance that one wonders how there can be anything other than pictures of competition standard. But despite the short cuts to perfection, I am afraid we are likely to see the same faults as were found in the days of the early box cameras. Such tragedies as a trunk without a head, or a lady or gentleman standing at such a curious angle as to suggest that the law of gravity had been suspended for at least 1/25 of a second, continue to make their appearance. It also surprises me how many enthusiasts, carrying cameras of considerable value, know so little of the internal workings of their instrument, and are dependent on outside help, competent or otherwise, in the loading of new films.

The dark room

Similar refinements to those noted above are now available for use in the dark room, making the good result one of automatic precision rather than skill aided by a certain amount of luck. My days in the dark room are chiefly remembered for the ingenuity of a senior member of the staff characterised by an inventive turn of mind which led to improvisations more marked for their cheapness than their efficiency. He touched the heights with a print drier which on one exciting afternoon melted the emulsion of the prints and deprived him of his eyebrows and most of his hair. Lacking such refinements as luminous interval timers or water filters, we rather prided ourselves on the quality of our work, and it is a fact that one has more interest in the finished product when one has had a hand in the processing. And that is where the true amateur is to be envied, for the hours spent in the contemplative tasks of the dark room are as enjoyable to him as the taking of the photographs, or the display of the results on future occasions. But beauty lies in the eye of the beholder, and as much pleasure can be derived from "me an' 'Erb at Brighton' as from the prize-winner at the exhibition.

Elimination

I continue to accept my ration of food for thought in the jottings of your member of the Press Gallery in the House of Commons. This week's portion comes from a paragraph on p. 206 where it is reported that Mr. G. Thomas asked the Minister of Health what reduction in the number of prescriptions he expected as a result of the doubled charge per item. Mr. Enoch Powell said his estimate would be based on a 2 per cent, reduction. The principal factor was the elimination of prescriptions under 2s. in value. Now I am consumed with curiosity to know how such elimination is to take place. The prescriber may do it by issuing bigger quantities on fewer prescriptons. Or he may say, in his best bedside manner: "In my opinion, all you require to put you right is one-and-elevenpence worth of phenobarbitone tablets, so just run along to your chemist and buy them." It may be, of course, that the estimated and problematical reduction in the number of prescriptions could result from financial embarrassment, and a consequent reluctance to consult the doctor in the early stages of the disease. The principal factor might even be Mr. Powell.

BRANCH AND ASSOCIATION EVENTS

NORTH METROPOLITAN **N.P.U. Branch Officers**

THE following officers were appointed at the annual general meeting of the North Metropolitan branch of the National Pharmaceutical Union on February 16: Chairman, Mr. C. W. Leaversuch; Vice-chairman, Mr. E. G. Armstrong; Secretary, Mr. J. F. Jack. MR. A. ALDINGTON (a member of the executive committee of the National Pharmaceutical Union) reviewed recent events and the work of the N.P.U. in general. In the discussion that followed an appeal was made to the negotiating committee on National Health Service matters to press for a retrospective settlement of outstanding claims at once and immediately to reopen negotiations for increased dispensing fees under the new circumstances set up by the increased levy. It was also proposed that there should be a distinguishing sign, on the continen-tal pattern, for all pharmacies. Publicity, customer relationship and shopfitting were discussed, as was the part of pharmacy in Commonwealth Training Week. The possibility was coning Week. The possibility was considered of allowing pharmacists to be absent from registered premises for the purposes of holidays.

CROYDON

Photographic Evening

"PEOPLE I Have 'Shot'" was the title of a talk given recently by Mr. J. JARCHE to the Croydon Pharmacists' Association and Branch of the Pharmaceutical Society. Mr. Jarché, who retired in 1960 after over fifty years as a professional photographer in Fleet Street, was introduced by MR. W. O. McBryde (association president) as "one of the great photo journalists." Mr. Jarché recounted a wealth of journalistic experiences, His various "scoops" were illustrated on film

slides and augmented with photographs from his private collection. Albert Einstein, George Bernard Shaw, Sir Winston Churchill, Lord Montgomery and a meeting between Sir Arthur Wright and Sir Alexander Fleming were among his outstanding "feature shots." Mr. Jarché recalled that he had used three Leica cameras at the coronation of the late King George VI, and showed some of the 450 photographs he had taken during the two-hour ceremony. He highlighted the evening with a selection of colour shots of the coronation of the present Queen. Thanking the speaker for a memorable "first occasion" (Mr. Jarché admitted not having addressed a pharmaceutical meeting before), Mr. McBryde said he looked forward to the opportunity of again inviting him to speak to the branch.

WEST MIDDLESEX

Living with N.H.S.

"To avoid unnecessary stress, National Health Service contractors should come to terms with the service. The wisest approach is to accept the Service as it is, like the weather forecast. Officials can be reasonable people, and they are doing their best with Service problems, which are usually matters of reconciling public control with private interest." In those words Mr. G. MADDEN (clerk to the Middlesex Executive Council) summarised his views on how contractors could co-operate to make N.H.S. work. Mr. Madden was speaking at Ealing on February 21 to a joint meeting of the West Middlesex, Hounslow and Wembley branches of the Pharmaceutical Society and West Middlesex division of the British Medical Association. Contractors who made issues of prestige out of their problems, he said, introduced awkward psychological angles. Professional committees were constantly seeking new ideas, and

contractors could contribute to change in the Service by passing suggestions to their committees, or by keeping up correspondence in their professional journals. A pharmacist should be rewarded by enjoyment as well as by his payment under N.H.S., and he should not feel oppressed by regulations. Mr. Madden recommended contractors not only to buy the best equipment and hire the best labour, but to spend a little money on a technical library, and to become well acquainted with their terms of service. He said that, during his period of service with the executive council, 150 million prescriptions had been dispensed in the county, but only a mere half-dozen complaints about the pharmaceutical service had been received. A chemist who received an unreasonable complaint could often be given immediate reassurance by the officers of the Executive Council or of the Pharmaceutieal committee. DR. M. LATNER urged doctors to see more of their local

was none, he pointed out, in Scotland.
ABERDARE AND MERTHYR

chemists. It was useful to know that

they had a friend at the pharmacy. Dr.

Latner called, however, for an improved rota system or emergency arrangements, particularly for Sunday

afternoons. Replying to points raised

he described prescriptions containing the phrase "the nearest equivalent to . . ." as "an intolerable burden"

on the chemist. It was morally wrong

to ask a chemist to substitute so as to

save money. Mr. J. Anderson Stewart (secretary to the Middlesex Pharma-

ceutical Committee) felt that, in pres-

ent conditions, there was no reason to

continue the drug-testing scheme. There

A Unique Distinction

THE eleventh annual dinner and dance of the Aberdare and Merthyr Branch of the Pharmaceutical Society was held in Cardiff on February 9, when 230 guests assembled. The chairman (MR. EDWARD THOMAS, Mountain Ash) proposed the toast "The Pharmaceutical posed the toast "The Pharmaceutical Society." He said he was proud to be the chairman of such a lively Branch which, though small, was sufficiently active to be able to hand to Mr. Allen Aldington that night, 100 guineas for the Society's Benevolent Fund, and 25 guineas for Birdsgrove House. Mr. ALDINGTON, in his reply, said that Aberdare and Merthyr had the distinction of being the Branch with the highest average contribution to the Benevolent Funds. Normally he had to exhort Branches to do more, but here all he could say was "How do you do so much?" The toast "The Guests," was proposed by the junior vice-chairman (MR. H. NOEL THOMAS, Aberdare. Guests toasted included the chairmen and their ladies of neighbouring branches. Mr. E. W. MEURIG WILLIAMS, O.St.J., M.Ch. (consultant orthopædic surgeon to the Cardiff Group of Hospitals) responded. He was alled be said. pitals) responded. He was glad, he said, to pay tribute to pharmaceutical chemists. "We are living in . . . exciting days of magnificent opportunitics, and pharmaccutical chemists have not lagged behind in these exciting developments.

PERSONALITIES

MR. H. STANYON, M.P.S., Ketton. Rutland, who for many years until his retirement a few years ago was in business as a chemist at 50 Lincoln Road, Peterborough, has been appointed a member of the house committee of Catmose Vale Hospital, Oakham. Rutland

CHIEF INSPECTOR LEONARD DYKE (head of the Dangerous Drugs branch of the Home Office) figured prominently in an article "Heroin on the N.H.S." in the Sunday Times of March 5, which included not only his portrait, but a picture of "trophies of the narcotics war" that appear on his Home Office mantelpiece.

MR. WALTER G. WRIGHT, M.P.S., who is manager of the Beccles, Suffolk, branch of Boots, Ltd., is also chairman of the vocational service committee of Beccles Rotary Club which has begun a detailed study of the type of new industry most suitable for attraction to the borough. The Town Council has informed Mr. Wright that it welcomes such study of the problem and is looking forward to the findings.

MR. N. PETER NEWTON, F.R.I.C., F.R.S.M., who has been appointed



general manager of the Lederle Laboratories division of Cyanamid of Great Britain, Ltd., joins the company from S m i th & Nephew Pharmaceuticals, Ltd., of which he was sales director from 1957. Previously Mr. Newton

held the post of marketing manager, medical products division, Smith & Nephew, Ltd., and before that was a divisional leader holding a special research appointment in that company's research branch. On demobilisation from the Services in 1946 he joined the insecticide division of Geigy Pharmaceuticals, Ltd., before being appointed that company's southern district manager in 1951.



STATUTORY COMMITTEE

January and March meetings

THE Statutory Committee of the Pharmaceutical Society met on January 1 to resume three inquiries held over from previous meetings and to consider a new case.

MR. R. F. G. ORMROD, Q.C., who was present for the first time since his appointment as chairman of the Statutory Committee, said that the Commitproposed to resume the inquiry held on July 1, 1959, into the case of a member convicted under the Pharmacy and Poisons Act 1933 for the illegal sale of a Part I poison, such sale not being effected by or under the supervision of a registered pharmacist. The Committee had decided to proceed with the inquiry in the pharmacist's absence. He had written to say that it was extremely difficult for him to attend, and the Committee had appreciated that.

MR. A. C. CASTLE (solicitor for the Society) said he was sorry the pharmacist was not present, because he knew that there had been difficulties in the businesses and that the pharmacist had taken certain steps to try and put the position in some sort of order.

Four Businesses Involved

The pharmacist had originally had three businesses plus a drug store in —, the drug store belonging to his wife. When he had got into difficulties over the employment of qualified staff, he had made his wife the owner qualified of three drug stores, himself retaining the ownership of one pharmacy. The Society had been rather concerned because the pharmacist carried on an optical practice as well as the pharmacy. The optical practice took him away from his pharmacy to other pre-mises. Mr. Castle said he had never received a satisfactory reply from the pharmacist's solicitors concerning the future of the businesses so far as qualified control was concerned. That was the position at the moment. According to the records the wife now owned two drug stores and the pharmacist pharmacies. After the Committee had conferred, THE CHAIRMAN said: "In view of what you have told the Committee, we think that it would better to adjourn this case until March. in the hope that you will have further information.

For the resumed hearing of the second case the pharmacist had not attended, and MR. CASTLE said he would welcome an adjournment because he thought the pharmacist should be present. THE CHAIRMAN said the Committee was disposed to deal with the case and continued: "This is a case in which Mr. --- was convicted in August 1959 of a severe assault on his wife. An inquiry was started by my predecessor on February 3, 1960, and it was then decided by the Committee that the offence was proved and it was one which rendered Mr. liable to have his name removed from the Register of Pharmaceutical Chemists. It was decided to adjourn the matter for a year for Mr. -- to produce references as to his conduct during the year. The Committee had received references from him, one from a person

who has known him for four years that is entirely satisfactory, and another from a member of the Society who is also quite satisfied with his behaviour. The Committee considered that the assault was on the face of it serious but felt there were extenuating circumstances . . . and in view of the good references which we have received, the Committee do not propose to take any further action in the matter.

In the inquiry into the case of a third pharmacist, information had been received from which it appeared that, on July 22, 1960, he had been found guilty and convicted of having (a) forged eight National Health Service prescriptions, contrary to Section 4 of the Forgery Act, 1913 and (b) uttered those prescriptions knowing them to have been forged, and had been sentenced to one month's imprisonment in respect of each of the charges.

Inaccurate Details

The pharmacist was present, accompanied by Mr. F. J. Nance (counsel), instructed by Mr. Joseph Norton (solicitor). Mr. A. C. Castle (solicitor to the Society) placed the facts before the Committee. He said that Mr. Nance had drawn his attention to a mistake in the date of conviction shown in the rithe date of conviction shown in the notice of inquiry. "The notice reads Friday, 22nd July, and I see from the certificate of conviction... that the date should be 12th July."

MR. NANCE: "I am afraid that is

not the right date either. THE CHAIR-MAN: "May we get the correct date?"
MR. NANCE: "It was held on the 14th and 15th and Friday was the date 14th and 15th and Friday was the date on which the sentence was passed."
THE CHAIRMAN: "It should be the 15th?" MR. CASTLE, the Committee will also note that the Notice of Inquiry reads that Mr. —— was "found guilty at the —— Quarter Sessions" and this is not right. I would point out to the Committee that these are not careless errors. At the time I drafted this Notice of Inquiry for your secrethis Notice of Inquiry for your secretary I had no information other than a newspaper extract. I had no certificate of conviction. I did not even know the proper address or identity of the Clerk of the Court to whom I might write, and time was pressing. I apologise for these mistakes.

Mr. Castle then briefly referred to some of the details of the conviction and said that the evidence that was tendered by the prosecution consisted of the evidence of the doctors who had issued the prescriptions and of the patients who had received the dispensed medicines. Mr. Castle said he had to rely on the newspaper report of the case, though the police officer who was in charge of it was present and able to provide more accepted facts. "According to the report, the total sum involved . . . was £6 15s. MR. NANCE: "A maximum of £5."

The Committee then heard the examination of the police officer by Mr. CASTLE and his cross examination by MR. NANCE.

Addressing the Committee Mr. NANCE said the convictions were admitted but never had his client done

anything but "plainly and straight-forwardly" to deny that he had been responsible for anything of a fraudulent nature. There were eight prescriptions out of 17,500 dispensed by the pharmacist from July 1959 to February 1960. The Chairman: "Are you saying that the 17,500 prescriptions were checked?" MR. NANCE: "I do not know... no doubt a large number were checked once some were found to be suspect." The pharmacist had persisted in appealing when advised that the appeal must fail, with the result that he had not been released when he might otherwise have been. After MR. CASTLE had addressed the Committee, its members retired to consider the case. On resumption THE CHAIRMAN said: "Mr. —, the Committee find the convictions against you proved, and they take the view that they are such as to render you liable to be removed from the Register of Pharmacists. In view of your record up to this time, the Committee propose to take no such action today beyond adjourning this matter for months...

The final case considered by the Committee had been stood over a year to allow the member concerned to produce references. The Chairman: gather the position to be this, Mr_{\cdot} – that you have had the advantage of the assistance of the probation officer, and we should like to know what has been happening in the past year since you

were before the Committee.

At the request of the pharmacist a probation officer spoke on his behalf. He mentioned that, after the last inquiry, the pharmacist had gone away quite determined to make an effort, but in October he was brought before another court for being drunk and disorderly. The magistrates made it a condition of his probation that the pharmacist should receive hospital treatment. The doctors, and representatives of alcoholics anonymous, both had confidence that the pharmacist was now trying to rehabilitate himself. The probation officer added "I would say that this man has now turned the corner. He went down to the bottom and now I think for the first time he is climbing up himself. I find he is a different man from the first time I saw The Committee retired to conhim. sider the case after THE PHARMACIST and MR. CASTLE had spoken, In giving the decision THE CHAIRMAN said: "Mr. , the last time that you were before this Committee my predecessor told you in the most clear terms what would be the result of your backsliding. But the Committee have carefully considered all that has been said on your behalf by the probation officer and the facts that you have had some hospital treatment and have a job at the moment. Rather than do anything that will finally destroy you, they have come to the conclusion, with considerable hesitation, to adjourn this inquiry for another year. . . . We should also be glad if the probation officer would inform the Committee of any change in the situation." The PROBATION OFFICER:
"I will do that."

The Statutory Committee met again on March 1. After further evidence had been heard from the pharmacist

at the previous meeting, THE CHAIR-MAN said the Committee was satisfied the pharmacist had reorganised his business affairs so that he was in a position to comply with statutory re-quirements. In the circumstances no further action would be taken.

The next inquiry was quickly concluded. THE CHAIRMAN said he had read the references that had been submitted by the pharmacist, and the Committee would take no further action.

A Name Removed from Register

The last case in the list was that in which the probation officer who had given evidence on January I had undertaken to notify the Committee if the

pharmacist's employment altered. THE CHAIRMAN said that the Committee had received notification that the pharmacist's employment ended shortly after the last inquiry. MR. ORMROD continued: "In these circumstances, it is quite clear that we must deal with this matter today. In view of the evidence we have had from the probation officer, which amounts to a further relapse by the pharmacist into the alcoholic habit, the Committee feel that there is no option in this case but to direct the Registrar to delete from the Register the name of Mr. Alastair Cameron Collins. The deletion will become effective unless he enters an appeal within the next three months.

IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

MR. J. ARBUTHNOT asked the Minister of Health if he would give the breakdown figures of the cost of the services paid for by the National Health Service in the year ended March 31, 1960. ENOCH POWELL (Minister Health), in a written reply on March 3, gave the following information for Eng-

land and Wales:
*Hospital, Specialist and Ancillary 424,490,000 Services Executive Councils Administration 4.130.000 and Dental Estimates Board ... General Medical Services ... 66,370,000 75,840,000 Pharmaceutical Services General Dental Services 50,360,000 Supplementary Ophthalmic Ser-15.310.000 vices †Local Health Authority Services ... 68,310,000 Training Services, etc. 2,060,000 1,480,000 Liabilities arising out of the establishment of the N.H.S. .. 4 530 000 12,160,000 Superannuation 1,510,000 Miscellancous

726.550.000

* Includes Central Purchases-£8,430,000. Drugs -£11,200,000

(cstimate). † Includes payments of balances of grants to local authorities in respect of previous years—£2,240,000.

‡ Includes Doctors' Compensation—£2,940,000.

Cost of Pharmaceutical Services:

Payments to dispensing doctors for services and for drugs, appliances and dressings sup-2,520,000 plicd Payments to chemists and appliance contractors in respect of:-(a) Dispensing fees and rota services . 13,330,000 (b) On-cost allowances ... 11,710,000 (c) Allowances for containers.. 1,440,000 (d) Cost of appliances and dress-2,340,000 (e) Cost of prescriptions specifying drugs by standard names..

(f) Cost of prescriptions specify-9,370,000

35,130,000 75.840.000

1. Payments to ehemists at (a) and (b) above together constitute payments for overheads, professional services and profits.

2. The total of payments at (d), (e) and (f)

ing drugs by proprietary names

Notes.

includes an estimated sum of £620,000 in respect of purchase tax.

3. Wholesalers' margins are estimated to account for £61 millions—£71 millions of the total of the payments at (d), (e) and (f); a more precise estimate cannot be made.

4. About 50 per cent. of the payment at (e) represents the cost of drugs ordered by standard names but available only in proprietary form.

Decimal Coinage

Replying to a number of questions on February 21, Mr. Selwyn Lloyd stated there were complications about the introducing of the decimal system of coinage. He said, "If we take the £ as a unit and divide it into ten and 100, the lowest coin unit is $2\frac{1}{2}d$, which is rather large. If we divide it by ten, then by 100 and 1,000, we get a very small one. If we do not take the pound as the basic starting point, there are very great complications in other directions." MR, F. J. ERROLL (Minister of State, Board of Trade) told MR. G. W. PROUDFOOT that the Government would bear in mind the possible advantages to the export trade when considering decimal coinage. LORD FRASER in the House of Lords on February 23, asked if the Government had any statement to make as to their intentions regarding decimal coinage. The EARL OF DUNDEE (Minister without Portfolio) replied "not at present," but it was a very important subject and was receiving the closest attention. He hoped it would be possible to make a statement later in the year.

MR. R. A. BUTLER (Leader of the guillotine" motion to curtail the House) introduced, on March debates on the National Health Service Contributions and National Health Service Bills. During the ensuing debate Sir Hugh Linstead said that both sides of the House understood the procedure that was being adopted, and it was inevitable that "when they find themselves up against a brick wall" the Opposition should spend as much Parliamentary time as possible to make their views known and to embarrass the Government. "But in the end the Opposition found that the situation must be determined by the guillotine or a series of closures," and when that time arrived he could not see that the members of the Opposition had a great deal to complain about.

Prescription Charges

MR. A. E. ORAM asked the Minister of Health, on March 6, how many items were listed in the B.N.F., 1960, and for how many of these the retail price of the standard quantity was less than two shillings. MISS E. PITT (Parliamentary Secretary, Ministry of Health) replied: "567. The second part of the question cannot be answered exactly but the number must be very small." MR. ORAM said his doctor had found that 243 items were less than two shillings. Did this not mean that patients would be required to pay more than the retail price for nearly half the items in the Formulary? Miss PITT: "The number under two shillings is quite small. I am asked about drugs. Those that come readily to mind are calamine lotion, zinc ointment. aspirin tablets and compound codeines. I agree that in many cases dressings may be under 2s. Many of the 567 preparations are listed in several strengths, and this affects their price, and also different chemists may charge different prices for counter sales. It is impossible to give exact information about the preparations patients can obtain for less than two shillings."

MR. ORAM then asked what steps

were proposed to ensure that a patient was not required to pay two shillings for a prescription for which the ordinary retail price was less than two shillings. Mr. POWELL: "I expect the chemist to sell such items at the retail price. Guidance has already been given to chemists by their professional organisation, and I am considering with them what further guidance, if any, is needed." MR. POWELL later said that only a small percentage of the items on prescription would retail under two shillings. Mr. K. ROBINSON asked if a chemist was entitled to alter a prescription and to strike off an item if he could supply it over the counter for less than two shillings because a number of chemists had been under the impression that in no circumstances were they allowed to alter a doctor's prescription. MR. Powell: "Yes. The item is marked 'Not dispensed' and the prescription form so marked is then returned to the Executive Council."

LEGAL REPORTS

" Exultation of Flowers "

MR. W. R. Roberts (chief inspector, Pharmaceutical Society), stated in Nairn sheriff court on March 7 that, after receiving an analyst's report; he concluded that there was no basis for the claims made of a substance sold as 'Exultation of Flowers." He mentioned certain literature connected with the product which, he said, contravened the Pharmacy and Medicine Act, 1941. He alluded to a pamphlet entitled "Exultation of Flowers—directions for human use," in which, he said, were quoted examples of people who had used the substance for the treatment of diseases with homefoich results. disease with beneficial results. Other pamphlets gave instructions for the use of the substance in connection with domestic pets, animals and gardens. Asked by the Procurator Fiscal if he knew of any single substance that could do all those things, Mr. Roberts said that he had never heard of one The Procurator Fiscal: "It would be a miracle substance?" "It would seem so."

Mr. Roberts was giving evidence on the second day of the trial of Alick McInnes (a former vice-convenor of Nairn County Council) and Mrs. Elizabeth Bellhouse, both of Braeface, Auldearn, Nairnshire. They pleaded not guilty to four charges arising out of

the sale and advertising of Exultation of Flowers in a way calculated to lead to its use in the treatment of such diseases as paralysis, tuberculosis and cancer. The previous day Mr. Allistair Grant, South Street, Elgin (managing director, Moravian Press) told the court that an allergy affecting his hands appeared to be cured after using Exultation of Flowers in the water in which he washed. He said he had printed many thousand copies of literature dealing with the preparation. Some gave directions for human use, domestic pets, animals, garden use and farm Cross-examined, he agreed that its general theme was that the product reacted on a mental and spiritual plane rather than on a physical plane. He also agreed that the label on the bottle in-He also dicated that the substance contained the strength and potencies of a number of flowers but that the literature stated that the substance was not a medicine. Regarding his own experience he said that he tried the substance on three of his six cyclamen plants. Unfortunately after using it the plants became "mixed up" but later three of the blooms were the best he had ever grown. He could not say however whether it was the three to which he had applied the Exultation of Flowers. The allergy which affected his hands appeared when handling tomatoes or primula plants, but after putting some drops of the substance into the water in which he washed, the allergy had disappeared. "It may be coincidence, but

I have not been troubled since."
Sixteen-year-old Rhona Mackenzie,
East Lodge, Boath, Nairn, said she filled bottles for McInnes and Mrs. Bellhouse during the summer holidays. The substance looked "exactly like water," but she never tasted it, nor did she smell it. She diluted a concentrate by pouring a two-ounce bottle into a jug of water. "Sometimes we filled small bottles with water from the tap and put in one drop of concentrate." Another employee of the couple, Mrs. Louisa McNair, Dovecote, Auldearn, Nairn, said that Mc-Innes prepared the concentrate in the bathroom. She said that McInnes sometimes diluted the concentrate with water from the bathroom tap. "The finished product was like diluted brandy. It was pale yellowy." She knew there was some brandy in it because she had been shown the bottle several times. She had tried the substance for sore back, but it had had no effect and finally she had to go to hospital for physiotherapy treatment. The hearing was expected to take four days.

COMPANY NEWS

Previous year's figures in parentheses

R. & J. BECK, LTD.—Mr. J. W. Haig-Ferguson, M.A., has been appointed managing director.

CHESEBROUGH-POND'S, LTD.—Mr. R. T. Dobson has resigned his appointment as director and executive in charge of production and technical matters.

R. B. PULLIN & CO., LTD.—An extraordinary meeting on March 2 approved that the name of the company be changed to the Pullin Group,

GLAXO LABORATORIES, LTD.— Mr. I. V. L. Fergusson (chairman and managing director, Evans Medical, Ltd.), has been appointed to the board.

F. W. BERK & CO., LTD.—Ordinary dividend is $13\frac{3}{4}$ per cent. ($12\frac{1}{2}$ per cent.). Profits before tax for the year ended in December 1960, rose by £157,000 to £679,000.

F. W. HAMPSHIRE, LTD.—Final dividend 22½ percent., making 30 percent. year to December 5, 1960 (same). Group trading profit £153,616 (£166.153), after depreciation £29,915 (£26,301). Add other income £27,324 (£20,395) and profit on sale of assets, £2,470 (£19,481). Tax £84,955 (£92,691).

SANITAS TRUST, LTD.—Mr. R. E. Dexter (managing director, Sanitas group) has been elected a director of the trust.—The company has made a cash and share exchange offer worth over £1 million for the £213,750 issued Ordinary capital of STEVENSON & HOWELL, LTD. The terms are 27s. cash and one 2s. Sanitas Ordinary for every two 5s. units. The offer is being considered by Stevenson & Howell.

JEYES' SANITARY COMPOUNDS CO., LTD.—A final dividend for the year ended December 31, 1960, on capital increased to £655,500 (£437,000) of eightpence per share, making a total of one shilling, equivalent to 1s. 6d. (1s. 3d.) on the 1959 capital declared. Group profit before taxation, £261,887 (£345,523), after deduction of taxation, £148,300 (£172,593); net profit, £113,587 (£172,932); general reserve, £38,506 (£107,000); carried forward, £89,814 (£87,293).

BUSINESS CHANGES

H - THREE DEVELOPMENTS, LTD., have removed to Third Floor, 56 George Street, London, W.1 (telephone: Welbeck 1179).

CHARLES CHARNLEY, LTD., 50 Grove Street, Wilmslow, have acquired the business of Cumberbirch's, chemists, 20 London Road, Alderley Edge, Ches.

REXALL DRUG CO. is to operate as a trading division of United Drug & Chemical Co. (Midland), Ltd., which was recently formed for administrative convenience. Business letters, etc., should be addressed to Rexall Drug Co., Morley Street, Loughborough, Leics. Mr. A. L. Cameron has been appointed sales director; Mr. M. Richardson, export director and Mr. E. V. Ridgeway, administrative director.

Appointments

DALMAS, LTD., Junior Street, Leicester, have appointed Mr. R. E. Labon their sales manager.

STAFFORD ALLEN & SONS, LTD., Wharf Road, London, N.1, have appointed Mr. Owen J. Jones their London and eastern area representative.

MERCK SHARP & DOHME, LTD., Hoddesdon, Herts, have appointed Mr. G. W. Crane, M.P.S., their home sales manager, and Mr. E. E. Hart assistant home sales manager.

KEMBALL, BISHOP & CO., LTD., Sandwich, Kent, have appointed Mr. George Halek their works manager. Previously he was head of organic pro-

duction at the Sandwich plant of Pfizer, Ltd.

BURROUGHS WELLCOME & CO., Euston Road, London, N.W.1, have appointed Mr. R. K. Cain, B.Sc. (Econ.), M.P.S., manager of their home sales department (medical) with effect from March 1. Mr. Cain was formerly the company's medical representative in the Liverpool area until his appointment as assistant publicity manager in 1959.

MARRIAGES

GALLAGHER—LAGAN. — At St. Mary's Church, Pomeroy, Northern Ireland, recently, Kenneth F. Gallagher, M.P.S., 34 High Street, Omagh, to Kathleen Lagan, M.P.S., Pomeroy, co. Tyrone.

DEATHS

CONN. — On February 26, Mr. Archibald Taylor Conn, M.P.S., 29 Polbae Crescent, Eaglesham, Renfrews. Mr. Conn qualified in 1914.

CULVERWELL.—On January 31, Mr. Henry Herbert Culverwell, M.P.S., 21 Shelley Gardens, North Wembley, Middlesex. Mr. Culverwell qualified in 1926.

DUNN. — Recently, Mrs. Marjorie Dunn, M.P.S., Stone House, Nurse Croft, Bakewell, Derbys. Mrs. Dunn, who qualified in 1922, had a pharmacy at Bridge Street, Bakewell.

GALLOWAY.—On February 5, Mr. Sidney Walter Galloway, M.P.S., 331 Cannon Hill Lane, London, S.W.20. Mr. Galloway qualified in 1929.

GREEN.—On February 7, Mr. William Baker Green, M.P.S., 51 South Street, Tarring, West Worthing, Sussex. Mr. Green qualified in 1898.

HUDDART.—On February 21, Mr. Joseph William Huddart, M.P.S., 124 West Park Drive, Blackpool, Lancs, aged eighty-three.

SMEETON.—Suddenly, in hospital, on February 28, Mr. Alfred Ernest Smeeton, public relations officer and overseas administrative officer, Evans Medical, Ltd., Speke, Liverpool, aged forty-nine, Mr. Smeeton had travelled widely and had visited Spain, Portugal, Nigeria, and spent six years in Brazil. During the 1939-45 war he served as an official censor in Liverpool, He was the secretary of the Rodney Youth Centre, Liverpool, and a member of the Institute of Public Relations, the Liverpool Press Club, and St. George's Society.

WALKER.—On February 25, Mr. Martin Pybus Walker, M.P.S., Up Yonder, Prospect, Pewsey, Wilts. Mr. Walker, who qualified in 1898, was in business in Pewsey from 1920 until his retirement in 1948. He was an occasional contributor to The Chemist and Druggist.

WATKIN.—On February 25, Mr. W. H. Watkin, who until recently was a director of F. W. Hampshire & Co., Ltd., Sunnydale, Derby (see C. & D., January 28, p. 83). Mr. Watkin joined the company in 1920 and was elected to the board in 1950.

WHITE. — On February 4, Mr. Daniel Hanbury White, F.P.S., 27 Regent Street, Clifton, Bristol, 8, aged eighty-four.

TRADE NOTES

Now in Four Flavours.—Pepsodent, Ltd., 449 London Road, Isleworth, Middlesex, state that their Spree fruit squash is available in orange, lemon, lime and black-currant flavours.

Contents of an Acrosol. — Smith Kline & French Laboratories, Ltd., Welwyn Garden City, Herts, point out that their Skefron pain-relieving aerosol contains 5 oz. (not as previously stated).

No Longer "D.D." — Eli Lilly & Co., Ltd., Basingstoke, Hants, announce that their pulvules Doloxene and Doloxene compound are no longer classified as D.D.A. for the purposes of wholesale and retail distribution, in Great Britain and Northern Ireland. They remain in Schedule I of the Poisons Rules.

Pack Sizes Changed. — A. Wander, Ltd., 42 Upper Grosvenor Street, London, W.1, are now issuing Asmac tablets in bottles of fifty and 250, replacing the 20's, 100's and 500's previously available, though supplies of those sizes may be obtained through wholesalers until stocks are exhausted. With the introduction of the new pack sizes the prices are considerably reduced.

Easter Bonus Parcel.—L. G. Colomb & Co., Ltd., 3 King Street, London, W.C.2, point out that their Easter bonus parcel of Delage perfume contains three styles of Easter candle perfumes and is decorated with an artificial flower (lily, violet or heather) but, like the Easter eggs, contains a standard Delage perfume (Defi, Suka Hati, Bois d'Amour, No. 10, Moi-meme or Sympathie).

Discontinued.—ALLEN & HANBURYS, LTD., Bethnal Green, London, E.2, have discontinued issuing penicillin solution tablets 30,000 units in tube of ten and bottle of fifty; no further orders are being accepted.—LEDERLE LABORATORIES division, CYANAMID OF GREAT BRITAIN, LTD., Bush House, Aldwych, London, W.C.2, have discontinued issuing Folvite elixir. — E. R. SQUIBB & SONS, LTD., Edwards Lane, Speke, Liverpool, 24, announce that stocks of their product Vespral emulsion are now exhausted and the product is being discontinued. A palatable orange-flavoured elixir of the company's newly introduced tranquilliser Moditen (fluphenazine dihydrochloride) is available in 60-mil bottle.

"Miss Pears" Competition, 1961.—A record number of entries is expected for the 1961 "Miss Pears" competition by D. & W. Gibbs, Ltd., Hesketh House, Portman Square, London, W.1. "Miss Pears," who must be under twelve years of age, will receive a cheque for £500. For each of the five runners-up there will be a £50 cheque. Opening date for the competition is March 1, closing date June 5. Judging and presentation take place at the Carlton Tower (London's newest hotel) on July 4. The competition is being backed by advertising in Woman's Own (April 1, 15, 29), Woman's Realm (April 8, 29, and May 20), and Woman's Mirror (April 1, 22, and May 13). Entry is through counter leaflets or coupons cut from the advertisements.

Each entry must be accompanied by a black-and-white photograph and a Pears' soap wrapper or carton.

Bonus Offers

CROOKES LABORATORIES, LTD., Park Royal, London, N.W.10. Anabalm, Collozets, Karvol inhalant capsules, Pectobalm and Crookes iodine-and-blackcurrant pastilles. Bonus offer suspended on March 31 until the autumn.

CROWN CHEMICAL Co., LTD., Lamberhurst, Tunbridge Wells, Kent. Colistol (for white scour). Three bottles free on every 2 doz. ordered. Monekil S (against worms in lambs), 100 tablets. Six for the price of five.

FASSETT & JOHNSON, LTD., 86 Clerkenwell Road, London, E.C.1. Quickies. Six doz, in display carton

invoiced as $5\frac{1}{2}$ doz. Until April 30. (Offer applies on larger jar if order for half-doz. minimum accompanies minimum 6-doz. order of Quickies vanity packs).

REXALL DRUG CO., LTD., Loughborough, Leics. Rexall brewers' yeast. Twelve 60-tablet size free with standard parcel (3 doz. 60's and 3 doz. 120's; or 1 doz. 60's and 4 doz. 120's; or 5 doz. 60's and 2 doz. 120's). Six 60-tablet size free with standard parcel (8 doz. 60's and 1 doz. 120's; or 1 doz. 60's and 2 doz. 120's; or 5 doz. 60's).

RICHARD HUDNUT, LTD., Eastleigh, Hants. Colorific and Bright Future. Twelve invoiced as eleven on order for 3 doz. assorted Colorific and 1 doz. Bright Future; 5 per cent. discount on 2 doz. and ½ doz. Until March 18.

NEW PRODUCTS AND PACKS

Smoker's Tooth-powder. — Eucryl, Ltd., Oakley Road, Southampton, have launched a smoker's tooth-powder in



brown and blue display outer containing 1 doz. tins. Show material is available.

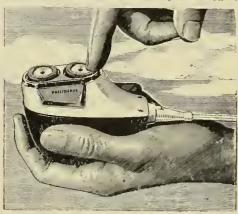
A "Most Advanced" Pack.—Luxan, Ltd., Daniel Street, Oldham, Lancs, are presenting their Golden range of santowels in a pack design claimed the most advanced of its kind ever to appear. The white-lined board, which



gives the package the clean hygienic look called for in such a product, is printed in gold plus one other colour introduced to distinguish each towel size, and the top half of the pack is left plain to minimise the retailer's wrapping problems. Messrs, Luxan draw attention to an error in the price

for the Luxan grey pack in the company's advertisement in this issue: It's retail price is 3s. 10d. and not as there stated.

"Floating-action" Electric Shaver.—In a new a.c./d.c. dual-voltage model of the Philishave dry shaver, manufactured by Philips Electrical, Ltd., Century House, Shaftesbury Avenue, London, W.C.2. the twin shaving heads are "floating." enabling the heads to adjust their positions to the contour of the face and to give "electric shaving with the personal touch." Other improvements in the shaver are a redesigned motor giving double the power of the previous motor; two additional self-sharpening blades (making a total of eight in each shaving head); fourteen more slots in each head to catch



the bristles to give, with the increased-diameter cutter guards, a 50 per cent. increase in the total shaving area. So that dealers will not be left with old Philishave Jet models difficult to sell against the competition offered by the "floating heads" model, the company are giving full credit terms on every dual- or standard-volt Philishave returned, provided that for each one returned the dealer orders two "floating heads" shavers. The offer is open until May 31. The new shaver is in a two-tone styling and has a flex that automatically locks in position. For use on a different voltage the shaver is adapted by merely removing the flex and turning the pins, either with the moulded handle of the cleaning brush or with the fingers. The shaver is understood to give no interference to radio or television, and the gear wheels are of nylon for smooth operation.

THE SOCIETY'S HOUSE AND SCHOOL

Dr. Wallis brings their story to the screen

THE History of Pharmacy Committee of the Pharmaceutical Society took over for one evening on February 16, the responsibility for organising one of the Society's evening meetings in London. (In recent months the Department of Pharmaceutical Sciences has been the organiser.) On this occasion the speaker was Mr. T. E. Wallis, D.Sc., F.P.S., F.R.J.C., F.L.S. (emeritus curator of the Society's museum and adviser on materia medica and the herbarium). The chairman was Mr. H. E. Chapman, and the audience which always includes old "Squarites," seemed to number more than usual of them on this occasion. Mr. Chapman from the chair said the history of the Society and of the school had been interwoven for more than 100 years. The address was being given by one whose knowledge and experience of the matters with which he would deal was unrivalled. Dr. Wallis had been one of the most distinguished of the students of the School of Pharmacy before the turn of the century. During his studentship he had obtained the "Minor" and "Major" pharmaceutical qualifications and collected silver and bronze medals galore That studentship had been followed by four years as demonstrator and lecturer in the school. After an interlude, occupied in teaching and scientific work elsewhere, he had returned to his "spiritual home" in that building, where he had served as lecturer in botany, reader in pharmacognosy, curator of the Society's Museum, and in more recent years emeritus curator and adviser to the Society on those subjects on which he was a pre-eminent authority. Explaining how "so unacademic a person as myself" came to be chosen as chairman of the meeting, Mr. Chapman said that, between his early days as student and lecturer in the school and his return to it in 1919, Dr. Wallis was science teacher at the Technical Institute at Tunbridge Wells. "During that period I was a junior assistant at a pharmacy in the town. With, for those days, commendable enlightenment, members of the local Pharma-Association arranged with the director of the institute for afternoon and evening classes in botany, chemistry and materia medica to be provided for the benefit of their apprentices and assistants. Dr. Wallis was in charge of those classes and I was one of his students." A friendship formed then, and renewed when he joined the Society's staff in the year that Dr. Wallis returned to the Society's school. had lasted over the years.

A Twofold Study

After an introduction in which he said that history was essentially a twofold study, first of people and secondly of those actions and events that provided a measure of the effects of the devotion of the persons concerned, and that historical studies enabled one to judge the value of the results attained and to assess the importance of the fundamental qualities of the persons concerned, and that he therefore proposed

both to describe the building and to speak about some of the persons associated with it, Dr. Wallis's other remarks were about each slide as it was projected.

The personalities portrayed included Jacob Bell, Andrew Ure, Theophilus Redwood, George Fownes, Jonathan Pereira, Robert Bentley, Daniel Hanbury, Horatio Paul, John Attfield, William Tilden, E. M. Holmes, H. G. Greenish, John Norman Collie, W. Palmer Wynne, Mrs. J. K. Irvine, James Small, C. E. Corfield, J. H. Burn, and H. Berry.

On other slides the speaker showed the Crown and Anchor tavern at which the Pharmaceutical Society was formed, and parts of its interior at No. 17 various dates, groups of students, the armorial bearings of the School, and the new building in Brunswick Square. As a sidelight Dr. Wallis dealt with the obstacles that had to be surmounted before women were admitted as students at the school. He concluded: "The study of the 120 years of the Society's existence shows that the overall effect upon education and professional standing has been one of steady progress and we look forward to a continuance of similar efforts to keep the profession continually growing in esteem and influence.

CHELSEA PENSIONERS' NEW INFIRMARY

"One of the most modern in the world"

BELIEVED to be the most modern in the world, a new infirmary for the 400 pensioners at the Royal Hospital, Chelsea, London, was officially opened by Queen Elizabeth the Queen Mother on February 22.

vate sections, with flap and door to allow the dispenser to enter his domain. There is apparatus for minor dispensing work, but no provision for the preparation of tablets or injections, which are obtained locally. In charge



One of the wards in the new infirmary building.

Since 1941 the pensioners have been receiving hospital treatment in improvised accommodation at Leatherhead, Surrey, the old infirmary at Chelsea having been destroyed by bombs. The new building was built for the War Department at a cost of £200,000. The plans were drawn up by the Ministry of Works in consultation with the Royal Hospital, War Office, Ministry of Health, London County Council, Nuffield Trust and Royal Fine Art Commission.

The infirmary comprises a two-story ward block and a three-story block for staff and out-patients. It was designed by the Chief Architect's division of the Ministry of Works. The ward block provides space for seventy-two beds in four wards. There are also eight single rooms for patients. In the out-patients and staff block are physician's and surgeon's consulting rooms. x-ray rooms, surgery, examination rooms and a dispensary.

One of the routines of the infirmary is that mobile patients collect their own medicine at the dispensary counter. The counter is therefore a dominant feature, dividing the room into public and priof dispensary is Mr. Anthony Frederick, for whom the appointment is a retirement post after a life of service in military hospitals, dispensaries, and drug supply depôts.

Each day. Mr. Frederick, apart from dealing with the prescriptions of callers at the dispensary, supplies the hospital wards with any drug or preparation ordered by the physician or surgeon. Adjoining stockrooms (three in all) carry estimated requirements for four months; 80 per cent, of them come from military depôts, leaving about 20 per cent, to be acquired by local purchase. The prescriptions dealt with by Mr. Frederick over the counter cover appliances as well as medicines, and it is his responsibility to order and check the correct supply of, and account for, any item of medical equipment that may be required-from, say, oxygen apparatus to a suprapubic catheter. The dispenser is assisted by I/Pensioner H. Kennedy, who keeps the department shining bright, and who is becoming a mine of information about it. Says Mr. Frederick: "Altogether an interesting position, covering a wide field and with few dull moments.

FIGURES IN THE PHARMACEUTICAL WORLD

NTIL recently the chief pharmacist, The Wellcome Chemical Works, Dartford, Kent, was Mr. Alan Cameron McDougall, B.Sc., M.P.S. Before the Americans discovered Holy Loch, A. C. McDougall ("Mac" to his countless friends) knew it well, since his boyhood was passed in the village of Hunter's Quay, which is situated at the mouth of the loch and is in the burgh of Dunoon, Argyll. When he left Dunoon grammar school Mr. McDougall had no specific ideas regarding his career. Prospects in the area were limited and it was a matter of making the most of local opportunities.

Mac" became apprenticed in 1912 to George Morrison, who at that time owned a pharmacy in the neighbour-ing village of Kirn (later he went to Inverness). After his apprenticeship Mac sought a wider experience, and made his way to Frazer & Green, Buchanan Street, Glasgow, where as an unqualified assistant he was asso-ciated with a pharmacy which like ciated with a pharmacy which, like Morrison's, did not dispense prescrip-tions "for the panel." The rule with Frazer & Green was "private prescrip-

tions only.

The 1914–18 war was then in progress, and one of McDougall's most vivid memories of that period was the tremendous shock experienced by the public at the sinking off the Scottish coast of the destroyer H.M.S. Hampshire, with Lord Kitchener aboard. Although he does not ascribe it to that event, he afterwards became a member of H.M. Forces, and duly celebrated his twenty-first birthday trudging along a dusty French road near Arras on the Somme. He saw active service in France and Belgium as a member of one of the units of the Special Brigade, Royal Engineers, which had been formed to launch retaliatory attacks of

poison gas on the enemy.

The war over, "Mac" decided to take a degree course in applied chemistry at the Royal Technical College, Glasgow, with bacteriology as a special subject. He graduated in 1923 and in the same year qualified as a chemist and druggist. He then joined the ex-perimental department at the Well-come Chemical Works, where he re-ceived his initiation into industrial pharmacy under the exemplary guidance of Dr. Sydney Smith, a former Bell scholar of the Pharmaceutical Society. Some years later the company's pharmaceutical development laboratories were formed under McDougall's direction and he became responsible for the formulation of products.

His work in that field, and especially on the formulation of a range of injectable preparations, eventually led to his becoming recognised as one of the most knowledgeable men on the subject in the country. He was particularly adroit in solving the problems posed by the more unstable substances, and he had a flair for designing apparatus for aseptic procedures, for preparing solutions in an inert atmosphere, etc. He himself described his facility in those matters as "having a



MR. A. C. McDOUGALL

bit of a nose for it" but his colleagues know that that modest state-ment was usually made after some well planned and intelligently interpreted experimental work.

The young pharmacists he trained benefited enormously and directly from the unstinting help and advice he gave them, particularly in the interpre-tation of experimental data. He had a clear concept of what was required in terms of "quality" for pharmaceu-tical products, and he has had no small part in raising and maintaining the high standards that are accepted in the pharmaceutical industry today. For ten years he was a member of the sterile materials committee of the British Pharmacopæia Commission under the chairmanship of Professor Berry, and he also served as a member of the British Insulin Manufacturers' subcommittee on packaging. His back-ground of applied chemistry, bacteri-ology and pharmacy proved to be a

great asset during a period of transition in which pharmacy progressed from an art to a science and from the use of galenicals to the isolation and standardisation of active principles, a stage that has been followed by the present-day growth in synthetic thera-

peutic agents.

A firm supporter of the British Pharmaceutical Conference, he gave encouragement to a number of authors of scientific papers, though his name has appeared on only one paper (on adrenaline tartrate, in collaboration with his colleagues Dr. G. E. Foster and Dr. G. A. Stewart). He has travelled widely for his company, visiting Argentina, Brazil, France, Germany, Belgium, Holland and Spain, his keen interest in languages proving most useful. One of his pleasures is the reading of French classics.

In a presentation volume given to him by his colleagues on the occasion of his retirement recently, there ap-

pears the following: "To A. C. McDougall, whose ready wit, ready advice and heady wines have enriched the lives of all those who knew him during his thirty-six years with the Wellcome Chemical Works." "Mac's" modest manner and pleasant humour have endeared him to many. The "heady wines" referred to are a

natural development of products of pharmacy and microbiology, and it is not unexpected that there should be such an association with a development pharmacist who, in applying aseptic techniques and pharmaceutical know-how, has been the creator of elegant products of fermentation processes.

To those who know "Mac" it v

come as a commonplace that his retirement will not mean putting on one side all his technical experience. On the contrary, it will enable him to devote more time to the leisurely pursuit of his interest in the application of experimental methods to the propaga-tion and cultivation of plants in his well equipped greenhouse.

Correspondence

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.

Horizontal Photomicrography

SIR,—The author of "Photomicrography" in the C. & D., March 4, p. 215, states "The writer works with both set-ups, but much prefers to work with the instrument vertical. Specimens in water, in fact, can only be photographed in this way. . . . " I wish to point out that that is incorrect. My interest for many years has been photographing living pond organisms through a horizontal microscope. That also enables me to project a living daphnia (size of a pin's head) to fill a screen 3 ft. in diameter. The set-up, as drawn and illustrated in the C. & \hat{D} . is not the easiest method. In fact many pharmacists would have the necessary equipment in their photographic de-partment. All that is required is any make of single-lens type reflex camera, without a lens, placed in front of the eyepiece of a microscope, and a light source.

A. VERNON ASHFORD,
Northampton

Allegiances

SIR,—Many pharmacists will remember the speech made by Sir Hugh Linthe speech made by SIr Hugh Linstead many years ago, it seems, when he attacked with gusto the proposal to make a levy on EClo's by the then Labour government. He did the job well! Now we have the same man going through the motions of attacking the Government in a speech which ing the Government in a speech which reads like a lawyer pleading for mercy for his guilty client without any anticipation of success. His final abstention from voting shouts that he dare not anger his political superiors, but at the same time is disquieted at what his one-time colleague pharmacists would say if he voted with the Government. Is Sir Hugh given leave of absence from his post as a secretary of the Society to look after our interests in the House? By his very office he lends some authority to his pronunciations in Parliament as heiner a spokes. tions in Parliament as being a spokesman of our affairs, but when it comes to the pinch, his allegiances are entirely political.

NORMAN R. HAZZLEWOOD, Sheffield, 8

Entirely Coincidental

SIR,—We were informed by the British Broadcasting Corporation and newspapers that on March 6 most daily newspapers were going up in price—all on the same day and in the same proportion to their existing same proportion to their existing charges. When it comes to price maintenance and price rings we have no greater enemies than the dailies! Could not that be pointed out to the factfinding commission by the National

Pharmaceutical Union and the Pharmaceutical Society? The chemist and optician are being persistently cut in their fees for professional services, and I see, by the Nielsen report, that goods apart from medicines comprise 70 per cent. of pharmacy takings. I think it should be pointed out to the Government that, unless they give serious consideration to maintaining prices, they may have to pay somebody to maintain the health of the nation instead of a "bunch of suckers" who subsidise it. In this small town one chemist did not join the Service and three more have now left it. Since leaving it my own takings have increased by over £1,000 per annum for two years and I am much better in health.

STILL VERY RESIGNED

Swings and Roundabouts

SIR,—With the advent of the new 2s. prescription charge, we may naturally expect a certain drop in the numbers of scripts dispensed, but apart from the loss of profit involved in that factor the following will illustrate a further source of loss. For about a week before the increased charges were due to come into being, my nearest doctor increased the quantity of a certain mixture prescribed for his "chronics," from 20 to 60 fl. oz. That—for him—typical mixture consists of phenobarb. sod., gr. $\frac{1}{4}$ in $\frac{1}{2}$ fl. oz. of water. Taking the Tariff price for phenobarb at 3s. 8d. for 25 gm., the price works out at approx. 1¼d. for the 10 grains in a 20 fl. oz. mixture. Therefore:

Ingredient cost for s. d.

= approx. $0 1\frac{1}{4}$ 20 fl. oz. 25 per cent. oncost = approx. 0 $0\frac{1}{4}$ Dispensing fee Container fee = approx. $0 1\frac{1}{2}$ Total 14d. Less ingredient cost actual container cost $6\frac{1}{2}$ d. 73d. Gross profit for 20 fl. oz. 1 $7\frac{1}{4}$

Similarly for 60 fl. oz.: approx. $0 3\frac{3}{4}$ Ingredient cost approx. 0 Oncost Dispensing fee (1 script) 4 0 Container fee (1 script) approx. 0 $1\frac{1}{2}$ Less ingredient cost 3¾d. actual container cost $(3 \text{ at } 6\frac{1}{2}\text{d.})$ 1 114 2 7 Gross profit

So I get 1s. $6\frac{1}{2}$ d. for 20 fl. oz. and only 2s. 7d. for three times as much, and the farcical thing is that the higher the quantity goes, the smaller the profit becomes in proportion. The time taken to dispense three bottles of 20 fl. oz. is exactly the same as for dispensing one 20 fl. oz. three times, the only time saved being that involved in walking from the dispensary to the counter and back three times, but I console myself that that infinitesimal amount of time may allow me just that much more time to persuade a hesitant customer away from a cut-price brand of blackcurrant syrup to another brand, of which I am already selling more than three times the amount.

BIRMINGHAM CHEMIST

Profit Margins

SIR,—A well known manufacturer of home "perms," shampoos, etc., is introducing yet another range of hair colorisers and a new hair bleach. Upon inquiring what was to be the basic profit margin on the tax-exclusive price of these lines, I learned from the rather apologetic representative that it had been fixed at 25 per cent. only, "to prevent price cutting!" I protested that a basic margin of less than 33\frac{1}{3} per cent. on that type of merchandise was quite inadequate; particularly in these of ever-increasing overheads. Despite the promise of lavish advertising and succulent introductory terms, I declined these new products with thanks. Perhaps if others do likewise, manufacturers will think twice before reducing profit margins, many of which are already inadequate.

JOHN S. MILLS,

REFERRED BACK

hypulmen 03.7

A PHARMACIST in Kent was called upon to dispense the prescription item here reproduced. Had he not been familiar with the prescriber's "calligraphy" and examined it through a lens-he would have been as much at a loss as the Editor. Would any pharmacist away from the prescriber's locality have taken the risk of dispensing it? What should the patient have received.

INFORMATION WANTED

The Editor would appreciate Information about the following:

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A Practical Approach to D.D. Control

THE Supervisory Body appointed under the International Convention of 1931 for limiting the manufacture and regulating the distribution of narcotic drugs has expressed surprise that the criteria on which some governments base their estimates have been dictated solely by the prospects of sales. Its suggestion is that all governments should base their estimates on a critical and objective assessment of their country's medical and scientific requirements, regardless of any other consideration, since the various international conventions have two basic aims: to deny the illicit traffic the possibility of supply from licit sources of production and distribution, and to restrict to the utmost the occurrence of drug addiction of therapeutic origin.

The report, which is published with the Estimated World Requirements of Narcotic Drugs in 1961, states that "Some governments appear to be content to reproduce for use at the international level figures which merely express the desiderata of commercial firms," and one of the examples given is that "the increase of 35 kg. is due to the fact that laboratories using this drug have asked for larger quantities for 1961." That type of approach is not, we understand, adopted by the Government of this country and of certain others.

It seems clear that the Supervisory Body is successfully controlling most of the estimates. However, the world total of estimates for morphine in 1959 was around 119.4 tons, although the production reached 108.4 tons. A similar position obtained in the estimates for codeine, pethidine and cocaine, for which the estimates were 110.8, 18.2 and 2.6 tons, respectively, against official production figures of 97.5, 14.2 and 0.9 tons. Supervisory Body considers the estimates for morphine and codeine to have been within admissible limits, but regards the overestimate of pethidine as too large by one-half. The overestimate of cocaine would, the report states, "be quite alarming if it did not arise primarily from the smallness of the figures involved." However, the problem of overestimates is, generally speaking, now much less acute than it was in the past, and it is nearly always the same governments that continue to submit disproportionate estimates, thereby showing their imperfect understanding of the operation of the 1931 Convention. The Supervisory Body states that it has "repeatedly, but vainly, provided them with suggestions and advice.

In a reference to the United Nations Conference for the Adoption of a Single Convention on narcotic drugs the Supervisory Body says that that conference has before it "a draft which provides for a system of estimates and limitation much broader in scope and more complex in character than that instituted by the 1931 Convention." Countries that have had no difficulty in applying the present Convention will no doubt be sufficiently adaptable to cope with the new draft, but for those other countries the additional problem of training specialised officials will arise in a much more acute form than under the 1931 Convention. The report ends: "It is therefore to be hoped that the Conference will finally retain only such provisions as are actually of practical value and can be readily applied by a large number of governments"—an eminently practical attitude that it is refreshing to note in legislative matters, which so often appear to be written merely to confuse and complicate.

Higher Brush Prices?

THE steep rise during the past year in the cost of pure bristle has caused considerable embarrassment to the brush-manufacturing industry. Some manufacturers have recently put up their prices of bristle tooth- and hairbrushes and it seems that others may be forced to do the same in the near future, as and when they have to replenish their stocks of bristle. So far as toothbrushes are concerned, the present increased publicity campaigns should lead to higher sales, thus allowing the manufacturers to effect some economies, but it is unlikely that all the other charges which have risen or are about to rise (electric and gas supplies, local rates, higher pension and health contributions) can be absorbed by the industry. The so-called "camel-hair" throat brushes are usually made from squirrel hair imported from Russia. That raw material is also scarce and much dearer than in March 1960. In the middle of last year the hair could be bought at around 200s. per lb., but by the end of 1960 it was up to 476s. To date most prices of bristle brushes have appeared to lag behind the increased costs and, if that is so, higher rates are sooner or later inevitable for, as the British Brush Manufacturers Association points out in a letter to its members: "Manufacturers are entitled to look for a reasonable return on the capital invested and indeed, unless they do so, they cannot continue in business or be in a position to provide the necessary revenue to finance the requirements of new plant and development." Few would cavil at that.

Effects of Revaluing Currencies

ALTHOUGH West Germany had been urged for a long time to revalue the Deutschemark, when she finally did so last week-end (see p. 253) it caused, according to Reuter's financial editor, "the biggest sensation in international finance since the great devaluation of sterling and other currencies in 1949." The upward revaluation of about 5 per cent. means that British exporters will have increased opportunities in the German market, but importers will have to pay 5 per cent. more for goods purchased there unless the German exporters are prepared to cut their prices by that amount. By the same token imports from Holland, where the guilder was similarly revalued, may cost more. Among products of Netherlands industry which the United Kingdom pharmaceutical industry are interested in are quinine and theobromine.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN PREPARATIONS TO COUNTERACT ALCOHOL

Council's advice to pharmacists: Do not stock or sell

HARMACISTS have been advised against stocking and supplying preparations claimed to counteract the effects of aleohol, in the following statement approved by the Council of the Pharmaceutieal Society of Great Britain at its meeting in London on February 28 and March 1:-

PREPARATIONS TO COUNTERACT ALCOHOL

THE attention of the Council of the Pharmaceutical Society has been drawn to a preparation on sale to the public which, it is claimed, will counteract the undesirable effects of alcoholic beverages. In view of the possibility of misuse, with consequent danger to the public, the Council advise pharmacists not to stock or sell any preparation for which such a claim is made.

The Council also approved (subject to drafting amendments) a questionnaire, to be sent to all pharmacists, eliciting information on their remuneration.

Education Committee

The Council has appointed a number of additional members of the board of examiners for England and Wales and for Scotland, being persons appointed as examiners by universities awarding degrees in pharmacy. It was agreed that Birmingham should be used as the only practical examination centre in England and Wales for future Entrance examinations.

A letter was reported sent to students registered before March 1, 1958, who had not yet begun their final two-year courses of study at schools of pharmacy, pointing out that Liverpool and Portsmouth were offering two-year courses for the session commencing in the autumn of 1961.

The Council adopted a recommendation made at a recent meeting of the Executive of the Scottish Department that paragraph 1(2) of the regulations for registration as a "student" should be amended to read as follows:—

"(2) (i) any examination(s) which would be accepted by the Scottish Universities Entrance Board as qualifying for the Board's Attestation of Fitness, on condition that mathematics

is one of the subjects passed.*
or (ii) the Leaving Certificate Examination of the Scottish Education Department (or the Scottish Certificate of Education) or the Scottish Universities Preliminary Examination in four subjects on the Higher grade or in three subjects on the Higher Grade and two subjects on the Lower or Ordinary Grade. The subjects passed must include English, a language other than English and Mathematics. All passes on the Higher Grade must have been gained at not more than two separate sessions of these examinations. A pass in Physics, Chemistry, Botany or Zoology will not count along with a pass in Science which includes any one of these subjects.*

Provided also in either case that the applicant shall submit evidence of having passed one of the following examinations in Chemistry, Physics and Biology (or Botany or Zoology):-

(a) the Society's Entrance Examination,

(b) the General Certificate of Education at Advanced Level.

(c) the First Degree Examination of a Scottish University. If the subjects of the First Degree Examination differ only to the extent that the subjects passed included two only of the subjects of Chemistry, Physics and Biology (or Botany or Zoology) the applicant shall be deemed to have passed in such two subjects and may present himself for examination in the remaining subject only of the Entrance Examination of the

Applicants should submit their certificates to the Resident Secretary, 36 York Place, Edinburgh, 1 (not to the Scottish Universities Entrance Board), for scrutiny before commencing study for the Entrance Examination."

The Council approved the style of a "give-away" leaflet and a comprehensive careers booklet for publication as soon as possible and for use generally in providing careers information. The leaflet was eonsidered to be of particular value for the casual inquirer at exhibitions. Information given in the two publications would be based on the "Guide for Branch Advisers on Pharmacy as a Carcer."

Sixty requests to participate in local careers exhibition organised in connection with Commonwealth Technica Training Week were reported received by the Society Many of the requests stated that a charge would be made either for space at the exhibition or for the insertion of an article in a booklet to be prepared in connection with the local exhibition. The Council agreed that such expenses could be eharged to Branch funds.

The Education Committee received a report from Dr. J. C. Parkinson (head of the school of pharmacy, Brighton) on a discussion with representatives of Kent and Sussex Branches of the Society on the provision of post-graduate courses in pharmacology. It was noted that the courses were being organised in the autumn session, 1961, and that in order to launch the scheme a small fund would be necessary. It was agreed to make an initial grant of £50. Reports of the Intermediate and Pharmaceutical Chemist Qualifying examinations and Part II of the Pharmaeeutical Chemist Qualifying examination held in January were received. A report of the annual meeting of Heads of Schools of Pharmacy held on January 27 was also received.

From January 17 to February 16, twenty-four guests were reported to have stayed at Birdsgrove House for an aggregate of twenty-seven and a half weeks, against twentytwo guests for twenty-eight weeks during the corresponding period of 1960. In the same period three contributions, amounting to £8 9s., had been received from guests, against two, totalling £5 4s., during the corresponding period of 1960. An offer by the Films Committee to prepare a set of slides of Birdsgrove House was accepted, and the possibility of the preparation of a film on Birdsgrove House was borne in mind.

Grants, totalling £271, from the Benevolent Fund were made to five widows and two members, and grants totalling £451 to five widows and one dependant were recommended. Applications from two members were deferred, and no grant was made in respect of applications by one widow and two members. There was one application for assistance from the War Aid Fund.

It was reported that no amendments had been received to the motions submitted for the Branch Representatives' meeting in May.

Library Closed for a Time

It was announced that the Library would be closed to readers, April 4-22, as it was proposed to eommence alterations in the week beginning April 4. Certain restricted library facilities would, however, be maintained.

Mr. H. S. Grainger was nominated for election to membership of the executive board of the United Kingdom Committee for the World Health Organisation, and as "the voting delegate" to the annual meeting to be held on April 8 at the London School of Hygicne and Tropical Medicine. Dr. W. Lane-Petter was appointed a delegate to the annual meeting.

A letter was reported received from the Ministry of Health pointing out that it was proposed to send to the appropriate professional body information relating to the eonviction of any member of the staff of a hospital who was also a member of that profession, if he had been convicted of a eriminal offence and been dismissed or had resigned. A letter was sent to the Ministry of Health indicating that the Council would find the Minister's proposed action helpful to the Society.

The Publications Committee reported that progress was being made in the production of the Supplement 1961 to the Extra Pharmacopæia, and the Council adopted a reeommendation that the list price of the book be fixed at

32s. 6d.

Mr. H. S. Grainger was appointed a representative of the Society to attend a Conference on central sterile supply services to be held on April 19 under the auspices of the Queen's Institute of District Nursing.

During January the Society's inspectors visited the premises of 1,163 authorised sellers, "A" and "B" premises, ten listed sellers and twenty-nine drug stores. During the same month agents visited 506 drug-store proprietors, grocers and similar traders. Eleven cases of alleged infringement of the Pharmacy Acts were considered and appropriate action taken.

Progress in preparing material for the Commonwealth Technical Training Week was reported by the Publicity Committee. A final version of the display screen was exhibited, and the Committee recorded their appreciation of the work undertaken by Mr. Ian Smith in its preparation.

A report was given of the progress made in the matter of Public Relations.

The Films Committee considered the assistance it might furnish by way of visual aids in arrangements by the Department of Pharmaceutical Sciences for the post-graduate instruction of pharmacists. It was agreed to refer to the Association of British Pharmaceutical Industry a suggestion that a film might be prepared illustrating the careers available in the pharmaceutical industry.

[The Privy Council Visitors' report is held over.]

Pharmaceutical Society of Northern Ireland REPORTS OF EXAMINERS

THE examiners' reports on the December 1960 Final Qualifying examination records that, in pharmaceutics (part II), a total of fifty candidates presented themselves under old regulations for examination in pharmaceutics. As in the June examinations, the standard of work produced by candidates in both theory and practical papers was much below that expected of them. The analysis of results is as follows:—

	First Entries	Re-entries
Passed whole subject	0 (0 per cent.)	3 (8 per cent.)
Failed whole subject	3 (30 per cent.)	19 (48 per cent.)
Failed theory only	2 (20 per cent.)	5 (13 per cent.)
Failed practical only	5 (50 per cent.)	12 (31 per cent.)
Absentees	1	
Totals	11	39

It is clear from the answers submitted that most candidates underestimate the standard of knowledge and the understanding of the subject required of them at the qualifying stage of their career. The impression is gained that candidates repeatedly enter for the examination in a spirit of "trying their luck," without having made any effort whatsoever to improve their ability since the previous entry. Candidates must be made to realise that there is no substitute for concentrated effort on their part and, that if the work presented in this most recent examination represents the peak of ability in pharmaceutics of most of the entrants, they would be well advised to abandon their hopes of qualifying, since of all subjects in the examination positive evidence of competence in pharmaceutics is a primary requirement. It is felt that many candidates have little pride in the job in hand or ambition to produce really good work, and apparently therefore do not rate highly enough the value of the qualification they are seeking.

Papers Poorly Presented

On the theory papers the comment is again upon the poor quality of spelling and presentation of written material. Some students failed to enter on their answer papers the correct number of the question they were proceeding to answer. Spelling errors, not only of common English words but of technical words, indicated that students had read so little that they had probably not encountered in print many of the items they misspelled. Presentation of answers left much to be desired, and it was rare to find a simple introduction to, or concise summary of, the main points covered in an answer. Students who passed the theory paper did so with fcw marks to spare, and the marking of papers was but rarely enlivened by a good answer. It is again necessary to underline the lack of understanding of fundamentals. Few students could explain, for example, the principles underlying the British Pharmaceutical Codex method for calculating isotonic adjustment. In the calculation part of the same question arithmetical errors were again much in evidence. Some candidates, probably those who have made repeated entries to the examination, gave obsolete information in certain sections of their work, for example, the British Pharmacopæia tablet disintegration tests.

In posology there was a serious decline in performance from the June examination. No fewer than twenty-one out of forty-nine candidates failed the paper. There were the usual guesses at unknown doses, sometimes with the disastrous results of producing overdoses—in one instance to the extent of 1,000 times the true maximum.

Shortcomings in Practical Work

As to the practical papers, most of the points made in the June report again apply and the low pass rate in practical pharmaceutics is the proof of the serious deficiencies in technique and presentation of dispensed products. Careless methods of weighing and measuring were often seen; for example, use of uncalibrated bottles for final volume measurements. Errors in calculation, mislabelling and failure to complete all four products most frequently contributed to the poor pass rate. The labelling of sterilised products was still grossly inadequate on the part of those students who had not recently attended a full-time course, A notable improvement in that sphere on the part of first-time entrants was noted with satisfaction. Inability to think on an interchange basis between the metric and imperial systems often led to the employment of absurdly impracticable and unnecessarily difficult quantities.

In forensic pharmacy there were forty-seven entrants, of whom fifteen were presenting themselves for the first time. Analysis of results is as follows:—

	First Entries			Re-entries	
Passed				10 (66 per cent.)	16 (51 per cent.)
Failed				5 (34 per cent.)	15 (49 per cent.)
Absent				1	_
Totals				16	31

Once again the record of passes in this subject was an improvement on the position in pharmaceutics but since only simple factual, day-to-day knowledge of pharmaceutical law is required, the proportion of passes should have been much higher. Here again there were only a few presentations of good papers. In question 1 some students were unable to relate the metric content of amidone hydrochloride to an imperial volume of the linctus, thus underlining the comment already made in the pharmaceutics report concerning facility to think simultaneously in the metric and imperial systems. The question on Schedule III exemptions was poorly answered, and another question giving most trouble was that dealing with labelling provisions. Only one candidate attempted the question calling for a knowledge of the conditions to be fulfilled by a pharmacist in order to become an authorised seller of poisons. In view of the comments made above, it was not altogether surprising to find that one candidate could not transfer correctly the word "liniment" from question to answer paper and one candidate referred repeatedly to "poisins."

In pharmaceutical chemistry there were thirty re-entrants, of whom thirteen (43 pcr cent.) passed. Of the seventeen

failures, eight failed in the theory paper only, five in practical only and four in both papers. There were thus twelve failing in theoretical work and nine in practical. On the ten new entrants, five (50 per cent.) passed and five failed in the theory paper; there were no failures in practical work. Too many (about a third of those classified as having passed in the subject) only just managed to attain the required standard. It must be emphasised again that candidates cannot hope to be successful without real effort on their part. In the theory paper the performance on the whole was moderate, many candidates offering reasonably good answers to two questions and scraping 6-8 marks on each of the remainder. That is a precarious and unsatisfactory approach. Candidates should be interested in the subject and work hard to master it. Some of the re-entrants showed improvement, and it was clear that they had made a substantial effort. The majority showed none, many of them, in fact, achieving a lower standard compared with the previous record. Unless those candidates are prepared to undertake systematic study and make the necessary effort they would be well advised to take up some other occupation. The worst candidates showed an almost complete lack of understanding of the subject. It was a pleasure to mark the small number of good papers. There was some tendency to offer irrelevant material. In the question on the official quantitative test of lead much unnecessary detail concerning procedure was provided, but few candidates understood the functions of the acetic acid and ammonia solution.

In the practical paper the quantitative work was fairly well done, but calculation errors were again prevalent. It was noticed that in general the indicator employed for the standardisation was not the same as that required for the determination: whenever possible the same indicator should be used for both. There was some good qualitative work but the performance of the poorer candidates was feeble. In general insufficient importance was attached to the preliminary tests and candidates were not exploring those simple revealing tests to the uttermost. The results of those tests should be assessed together; in that way boric acid (soluble in hot water, and acid in reaction) could not be identified as barium sulphate.

Systematic Approach Lacking

In pharmacognosy there were no outstanding papers and most candidates who passed did so with the minimum mark required. The general impression was that candidates had not appreciated the scope of the work to be covered or, in attempting to forecast likely questions, had largely failed in their predictions. That was shown by the fact that one or two questions were reasonably well answered but the remainder poorly done. Lack of a systematic approach to the subject was clearly evident, and much more attention should have been paid to presentation. In the practical examination there was a slight improvement over previous performance, but the need for well cleared, cleanly mounted specimens for microscopical work was still not appreciated. Once again some candidates guessed, often wrongly, at the identification of specimens and proceeded to write reports based on assumptions rather than on results obtained. With few exceptions laboratory notebooks revealed lack of care and failure of candidates to appreciate the need for accurate observation and description.

The standard of answering in the physiology examination was reasonably good.

RECENT RESEARCH

LEUKÆMIC CELL MARKER

SINCE the latter part of 1958 several centres have been studying the chromosomes of leukæmia cells. It is now known, according to Dr. W. M. Court Brown (New Scientist 1964) of the chromosomes of the court Brown (New Scientist 1964) of the chromosomes of the ch tist, 1961. 9. 97), that abnormalities of chromosome number and morphology are to be found in some cases of acute leukæmia, although so far only in a minority. In November 1960 Nowell and Hungerford in Philadelphia and, independently, Baikie and others of the Medical Research Council's clinical effects of radiation research unit at the Western General Hospital, Edinburgh, reported the discovery of an unusually small chromosome in the blood cells of the majority of cases of chronic myeloid leukæmia. It is suggested that the unusually small size of the chromosome is due to either a deletion or a transfer to another chromosome (translocation). Present evidence suggests that the abnormal chromosome is present in the majority of cases of chronic myeloid leukæmia, and because it has not been found in chromosome preparations from cell cultures of individuals demonstrating it in blood and marrow cells, the site of origin is inferred to be the myeloid cells of the bone marrow. Dr. Court Brown states that, although the chromosome may be regarded as a "marker" of leukæmic cells, and its close association with chronic myeloid leukæmia consequently carefully noted, the possibility of its bearing a eausal relationship to the disease yet remains to be evaluated.

QUICK BACTERIAL STAINING

A RAPID method of bacteriological testing, using a tetra-zolium compound was described by Messrs. Bradshaw and Dyett in a paper presented to a meeting of the Society of Chemical Industry (microbiology group) in January. The test was developed for assessing bacterial contamination in perishable foodstuffs, and in particular cooked or cured meats, where the use of a speedy method was essential. A simple staining technique was described which depends on the fact that living bacteria rapidly reduce tetrazolium salts within the cell to form brightly coloured formazans. Formazans are insoluble and remain within the cell; their colour depends on molecular structure but the majority are red. It was found that the sensitivity varied between compounds and also between the same compounds produced by different manufacturers. The authors could give no reason

for that effect. They found the most satisfactory compound to be 2(p-iodophenyl)-3-(p-nitrophenyl)-5-phenyl tetrazolium chloride. The staining technique consisted of spraying a flat surface of the material to be examined with a 0.5 per cent. aqueous solution of the tetrazolium salt under sterile conditions. The material was then aseptically transferred to sterile transparent plastic bags and incubated for a few minutes when living bacterial colonies developed a clearly visible reddish-purple colour. If necessary, colonies could be isolated and examined microscopically. The authors state that the technique has been used to trace sources of contamination in a food factory production line. Studies carried out on the flora of cooked meats indicated that in general gram-positive organisms (micrococci, streptococci, lactobacilli and sporing bacilli) tended to stain more deeply and rapidly than gram-negative organisms.

ECHOES OF THE PAST **BOILS TO BRUISES**

From "Primitive Physick: or, an Easy and Natural Method of Curing Most Diseases" by John Wesley. London, 1772 107. Or, of Figs:

108. Or, a little Saffron in a white Bread Poultis.—'Tis

proper to purge alfo.

109. Apply Turnips roafted 'till foft, then mafh'd and mix'd with a little Oil of Rofes. Change this twice a Day, keeping the Breaft very warm with Flannel.

*110. Boil a handful of Camonile and as much Mallows in Milk and Water. Foment with it between two Flannels hot as can be borne every twelve Hours. diffolves any Knot or Swelling in any Part.

111. Immediately apply *Treacle* fpread on brown Paper:

Tried.

112. Or, clarified *Honey:* 113. Or, rub it with one Spoonful of *Oil of Turpentine* and two of Neat's-foot Oil:

"DON'T TALK TO ME ABOUT DRUG PRICES" is the headline of a Press advertisement issued by Cyanamid of Great Britain. Ltd., Aldwych, London, W.C.2. Based on quotations from *The Times*, February 3, the advertisement presents facts about the cost of drugs and the National Health Service.

EIRE POISONS BILL AMENDMENTS

Committee-stage debate

HE proposed Poisons Bill in the Reublic of Ireland has been amended so to increase the representation of harmacists on the Poisons Council to vc, and to extend the membership of ne Council from the original figure of en to fifteen. Announcing that at the Committee-stage of the Bill in the Dail n February 9, the Minister for Health MACENTEE) said the Council vould include, in addition to what was proposed in the first instance, representtion for dental and farming interests. he section as amended would provide hat doctors, pharmaceutical chemists nd dentists on the Council should ossess such experience as would nsure a high level of expert advice in elation to matters referred to the Council.

Membership Basis Revised

THE MINISTER explained that, as the Bill was originally drafted, the proposal was that there should not be less han two members of the Pharmaceutical Society of Ireland on the Council. Instead of that minimum, the amendment now provided that the Council should have five, each of whom must be at least ten years registered. It provided that not more than three should be in business as pharmaceutical chemists, or employed as such, and that, of those three, at least two should be members of the Council of the Pharmaceutical Society of Ireland. There was one other reservation in relation to pharmaceutical chemists. It was that one of them should be a teacher of pharmacy or a similar subject. When MR. J. M. DILLON (F.G.), remarked that the Minister had forgotten the veterinary surgeons, Mr. MacEntee replied that he had not. Thos, had been provided for in the parent section. There would be two persons with There would be two persons with special knowledge and experience of the use of poisonous substances in agriculture, to be nominated by the Minister for Agriculture.

Stating that he wanted to raise at once a matter to which he attached great importance, Mr. Dillon said he recognised that, with the developments that had taken place, there might be poisonous substances used in connection with agriculture generally which it might be necessary now to control by regulations of the kind envisaged in the Bill. He referred particularly to certain types of poisonous spray that might constitute a hazard to those charged with the responsibility of spreading them. Other types of poisonous spray might create problems in regard to bird life, bees and insects, but under section 15 it was also proposed that that body should have the power to advise the Minister for Agriculture in relation to certain regulations relative to the use of what were technically defined as poisonous preparations for veterinary purposes. He said: "I think that is going too far."

MR. MACENTEE: Could we not debate that on section 15? I doubt if this is the appropriate section

is the appropriate section.

MR. DILLON: "If it suits the Minister better, but I want to enter at once a

better, but I want to enter at once a cavcat that I recognise the appropriate-

ness of the Council undertaking to advise the Minister in relation to poisons, either for human use or even in agriculture, because I recognise the hazard that that may create inadvertently by being used for the protection of crops. However, I want to demur at once at the inclusion of veterinary preparations. You must always, in legislation of this kind, try to weigh the advantages against the disadvantages. There is always a tendency on the part of the professions, and indeed of our esteemed public servants, to go too far in protecting us against ourselves, and that attitude often carries us to the point of putting burdens upon the community which it is not reasonable to ask the community to bear. I can see that there must be control of the promiscuous use of poisons where there is the danger their being used improperly human beings, but I cannot for the life of me think why, if a farmer desires to give a pig an injection, or even a cow an injection, he should be prohibited by law from doing so because the substance which he proposes to inject into his beast has been declared, on the advice of a committee of this kind, to be a dangerous substance." Mr. Dillon added that the net result of such procedures would be that there would gradually grow up around the livestock farmers of the country a hedge of restrictions on veterinary remedies, which could only be penetrated by the habitual employment of a veterinary surgeon. In his experience the result of that would be that many farmers would not be able to afford to continue calling on the veterinary surgeons, and if those substances were no longer available to the farmer without restrictions of the kind envisaged in the Bill, the livestock would have to be allowed to die or deferiorate.

It was, he said, for that reason he wanted at that stage to direct the attention of the House to the power taken to advise the Minister for the purpose of prescribing restrictions on the use of veterinary medicines. That was a power with which he did not think the body ought to be endowed. They should be confined to the other purposes referred to in the Bill which dealt with agricultural preparations and poisons in the common interpretation of that word. THE MINISTER said that those were matters which could be better debated on sections 14 and 15, and MR. DILLON said he was prepared to agree to that but thought it better to put the case on record.

Farmers' Representation

Moving an amendment to include more than one farmers' representative on the Council, MR. J. BLOWICK (leader of Clann na Talmhan), said he was wholly dissatisfied with the constitution of the proposed Council, The constitution in the original Bill was in his view "scandalous" and the Minister's amendment represented no improvement. On the Council as first constituted there was not a single farmer. There were approximately 380,000 farmers in the country and he thought they were worthy of a bigger voice

than just one in fifteen. Stating that he fully approved a Bill which gave the Minister power to make regulations in regard to the sale of poisons generally, Mr. Blowick said it had become the practice now for farmers to become their own veterinary surgeons to a large extent and that there had not been a single complaint of accident or death. Could the Minister advance one single reason why the agricultural voice on this Council should be limited to one? "I daresay it is necessary to tighten up on the sale of poisons generally, but there are many antibiotics and pretty harmless substances which will come within the scope of this Council. Take the case of sheep farmers. It has become common practice to inject both lambs and ewes with various preparations immediately after lambing and that has resulted in a reduction of mortality in sheep. I have not the slightest doubt that this Council will recommend that the treatments given should be given by veterinary surgeons." Mr. Blowick added that in the creamery areas large numbers of cows from various complaints. Remedies for these complaints, and preventives, were well known. Under the Council he could see a situation in which recommendations would be made to the Minister for Agriculture that nobody should use those remedies or preventives except a veterinary surgeon. It would be as well for the farmers to hand over their livestock altogether to the veterinary surgeons. Instead of just one farmer on the Council he proposed there would be three. MR. MACENTEE answered: "The Deputy does not apparently understand the amendment," to which Mr. BLOWICK replied: " haps the Minister will enlighten my ignorance? The Minister's amendment says 'one person, whose main occupation is farming, nominated by the Minister for Agriculture." The debate was adjourned.

WORLD TRADE

West German Chemical Industry.— Turnover of West Germany's chemical industry totalled D.M.23,170 millions in 1960, an increase of 12·1 per cent. on 1959. The industry's production index (1938 equals 100) rose by 14·7 per cent. to 312 points. Production rose more than turnover and the price index (1938 equals 100) fell by one-half of one point to 183. Average prices for products of West Germany's chemical industry rose by only 4 per cent. in the last ten years, while those of industry as a whole rose by 26 per cent. in the same period.

Germany and Holland Revalue Currencies.—Both the West German and Dutch Governments decided during the weekend to revalue upwards by about $4\frac{1}{4}$ per cent. their respective currencies. West Germany was the first to make the announcement when the Economics Minister said that the parity value of the mark was being changed to four to the dollar, effective March 6, instead of 4.20. For £1 Sterling the parity is D.M. 11.20 (against 11.65). The Dutch rate is now 10.10 to 10.12 guilders (against 10.60) to £1 Sterling. Other countries in the Common Market denied any intention of changing their currencies.

GUIDE TO NEW MEDICAMENTS

Information about proprietary products supplied principally on prescription. Reprints on perforated gummed paper for affixing to index cards are obtainable from the Editor. Notes on the products are given on p. 260.

THE CHEMIST AND DRUGGIST Guide to New Medicaments. March 11, 1961

CENTYL injection

Manufacturer: Leo Pharmaceutical Products, Ballerup. Copenhagen, Denmark. DISTRIBUTOR: Leo Laboratories. Ltd., 223 Kensington High Street. London, W.8.

Description: Multidose vials, each containing 5 mgm. of bendrofluazide per mil, in oily suspension. Diuretic.

INDICATIONS: Whenever diuresis is required (especially ædema of cardiac, renal or hepatic origin).

Dosage: 1-5 mgm, daily, intramuscularly.

PRECAUTIONS: Care should be taken in treating patients with severely damaged kidneys and low urine output.

How Supplied: In boxes of one and ten 5-mil vials.

FIRST ISSUED: January 1961.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, March 11, 1961

CENTYL with reserpine tablets

Manufacturer: Leo Pharmaceutical Products. Ballerup, Copenhagen, Denmark. Distributor: Leo Laboratories, Ltd., 223 Kensington High Street, London, W.8.

Description: Pink tablets, each containing 2.5 mgm. of bendrofluazide and 0.1 mgm. of reserpine. Hypotensive.

INDICATIONS: Mild to moderately severe essential hypertension; severe hypertension (in combination with ganglion blocking agents); pre-eclamptic toxemia.

Contraindications: Severe renal disease; psychotic tendencies; hepatic dysfunctions.

Dosage: 2-4 tablets initially, then 1-2 daily, preferably as a single morning dose.

How Supplied: In bottles of twenty-five, 100 and 500.

SUPPLY RESTRICTIONS: P.1., S.4B. FIRST ISSUED: January 1961.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, March 11, 1961

ORGANIDIN solution and tablets

Manufacturer: Denver Laboratories, Ltd., 12 Carlisle Road, London, N.W.9.

DESCRIPTION: Solution containing 50 mgm. of 2.3-(2-and 3-iodo-propylidenedioxy) propanol per mil; Tablets, each containing 30 mgm. Mucolytic.

INDICATIONS: Bronchitis, bronchial asthma, bronchiectasis, sinusitis. As a post-operative expectorant.

Dosage: Solution: Adults, 20 drops four times a day. Tablets: Adults, two, four times a day. Children, half the adult dose. To be taken with a drink.

How Supplied: Solution, in bottle of 30 mils; Tablets, in containers of 100 and 250.

First Issufd: June 1960.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, March 11, 1961

S C H E R I P R O C T ointment and suppositories

Manufacturer: Schering, A.G., Berlin, Germany. Distributor: Pharmethicals (London), Ltd., Victoria Way, Burgess Hill, Sussex.

DESCRIPTION: Ointment containing 0.15 per cent, of prednisolone, 0.5 per cent of cinchocaine hydrochloride, 0.5 per cent, of hexachlorophene and 1 per cent, of clemizole undecylate; Suppositories, cach containing 1 mgm. of prednisolone, 1 mgm. of cinchocaine hydrochloride, 2.5 mgm. of hexachlorophene and 5 mgm. of clemizole undecylate.

INDICATIONS: Hæmorrhoids, anal fissures, proctitis, pruritus ani.

METHOD OF USE: Ointment: apply three or four times on the first day, then twice a day. Suppositories: insert two or three on first day, then one daily.

How Supplied: Ointment, in tube of 10 gm. (boxes of one and fifty); Suppositories, in boxes of six and 100.

SUPPLY RESTRICTIONS: P.1, S.1, S.7.

FIRST ISSUED: March 1958.

CREMOSTREP suspension

MANUFACTURER: Merck Sharp & Dohme, Ltd., Hoddesdon,

THE CHEMIST AND DRUGGIST Guide to New Medicaments, March 11, 1961

Description: Suspension containing 10 gm. of succinylsulphathiazole, 1 gm. of streptomycin (as sulphate) and 10 gm. of kaolin per 100 mils.

INDICATIONS: Diarrhœa, bacillary dysentery.

Dosage: Four teaspoonfuls (20 mils) two to four times a day before meals.

How Supplied: In bottle of 3 fl. oz.

SUPPLY RESTRICTIONS: P.I, S.4B, Therapeutic Substances Act.

FIRST ISSUED: February 1961.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, March 11, 1961

DUNCAINE gel

Manufacturer: Duncan, Flockhart & Co., Ltd., 16 Wheatfield Road, Edinburgh, 11.

Description: A sterile gel containing 2 per cent, of lignocaine hydrochloride in a carboxymethylcellulose base.

INDICATIONS: As a local anæsthetic and lubricant for cystoscopic examination and catheterisation of the urethra.

CONTRAINDICATIONS: Urethral bleeding.

Method of Use: 5-10 mils injected via the external meatus.

How Supplied: In tube of 15 mils, with applicator cone.

First Issued: January 1961.

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DUNCAINE lozenges

Manufacturer: Duncan, Flockhart & Co., Ltd., 16 Wheatfield Road, Edinburgh, 11.

Description: Lozenges, each containing 250 mgm. of lignocaine base.

INDICATIONS: For anæsthetising the mouth and throat.

Dosage: As directed.

How Supplied: In tube of fifteen.

First 1ssufd: January 1961.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, March 11, 1961

DUNCAINE viscous

Manufacturer: Duncan, Flockhart & Co., Ltd., 16 Wheatfield Road, Edinburgh, 11.

Description: A pleasantly flavoured, viscous liquid containing 0.2 gm. of lignocaine hydrochloride per dessertspoonful (2 drachms).

INDICATIONS: For surface anæsthesia of the upper respiratory tract: in "dumping syndrome," hiccough, ulcer pain, gastroscopy and gastric intubation.

Dosage: See manufacturer's literature.

How Supplied: In bottle of 150 mils.

First 1ssufd: January 1961.

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PLENIRON liquid

Manufacturer: Thomas Kerfoot & Co., Ltd., Vale of Bardsley, Ashton-under-Lyne, Lancs.

Description: Brown, orange-flavoured liquid containing 170 mgm. of ferrous glycine sulphate complex (= 30 mgm. ferrous iron) per mil.

INDICATIONS: Iron-deficiency anæmias.

Dosage: Adults, initially, 30 drops (\frac{1}{2} teaspoonful) three or four times a day for 10-14 days; then 20 drops twice a day. Children, 5-20 drops daily, according to age.

How Supplied: In dropper bottle of 30 mils.

FIRST ISSUED: December 1960.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, March 11, 1961

DUROMINE capsules

MANUFACTURER: Riker Laboratories, Ltd., Loughborough, Leics.

Description: Grey/green and grey/maroon sustained-release capsules, respectively containing 15 and 30 mgm. of 2-phenyl-tert-butylamine as an ion-exchange resin complex.

INDICATIONS: Simple obesity.

CONTRAINDICATIONS: Insomnia.

DOSAGE: One capsule daily, at breakfast. How SUPPLIED: In bottles of thirty and 300.

FIRST ISSUED: January 1961.

Notes: Recommended on prescription only.

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LEVITON ovets

Manufacturer: British Schering, Ltd., 229 Kensington High Street, London, W.8.

DESCRIPTION: Green oval tablets, each containing 150 mgm. of methylpentynol carbamate and 5 mgm. of dexamphetamine sulphate.

INDICATIONS: Anxiety associated with depression.

DOSAGE: One over after breakfast and after lunch.

PRECAUTIONS: Administer with care in hypertension

How Supplied: In container of 100. Supply Restrictions: P.I, S.4B. First Issued: January 1961.

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MERBENTYL DOSPAN tablets

Manufacturer: Merrell-National (Laboratories), Ltd., 20 Savile Row, London, W.1.

DESCRIPTION: Long-acting tablets, each containing 60 mgm, of dicyclomine hydrochloride in a hydrophilic base.

Indications: Functional gastrointestinal disorders; irritable colon syndrome; biliary dyskinesia; pylorospasm; primary dysmenorrhœa.

Dosage: One tablet in the morning provides relief from smooth muscle spasm for 10-12 hours.

How Supplied: In bottle of thirty. Supply Restrictions: P.I., S.7. First Issued: February 1961.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, March 11, 1961

STRIATRAN tablets

MANUFACTURER: Merck Sharp & Dohme, Ltd., Hoddesdon, Herts.

DESCRIPTION: Pink sugar-coated tablets, each containing 200 mgm. of emylcamate. Psychotropic.

INDICATIONS: Anxiety and tension, alone or associated with psychoneurosis and psychosomatic disorders.

Dosage: One tablet three times a day before meals.

How Supplied: In bottles of twenty-five, 100 and 500.

FIRST ISSUED: February 1961.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, March 1t, 1961

TRI-ADCORTYL ointment

Manufacturer: E. R. Squibb & Sons, Ltd., Edwards Lane. Speke, Liverpool, 24.

Description: Ointment containing 1 mgm. of triamcinolone acetonide, 2·5 mgm. of neomycin base, as the sulphate, 0·25 mgm. of gramicidin and 100,000 units of nystatin per gm. Antibacterial and antifungal: anti-inflammatory.

INDICATIONS: Corticosteroid-responsive skin lesions caused, complicated, or threatened by bacterial and/or monilial infection.

METHOD OF USE: Applied sparingly to the affected area two or three times a day.

How SUPPLIED: In tubes of 5 and 15 gm.

SUPPLY RESTRICTIONS: Therapeutic Substances Act.

FIRST ISSUED: January 1961.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, March 11, 1961

BRIETAL SODIUM injection

MANUFACTURER: Eli Lilly & Co., Ltd., Basingstoke, Hants.

DESCRIPTION: Ampoules of methohexital sodium, each containing 0.5 gm. To make a 1 per cent solution when dissolved in water for injection.

INDICATIONS: For induction of general anæsthesia, and as sole anæsthetic agent for operative procedures of short duration.

Dosage: Average adult dose by intravenous injection is 50–120 mgm. (5–12 mils of 1 per cent. solution).

How Supplied: In 50-mil rubber-stoppered ampoule.

Notes: Solutions in water for injection are stable at room temperature for at least six weeks.

SUPPLY RESTRICTIONS: P.I, S.I, S.4a.

FIRST ISSUED: December 1960.

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DIMYRIL capsules

Manufacturer: Genatosan, Ltd., Loughborough, Leics.

DESCRIPTION: Pink spherical capsules, each containing 21.5 mgm. of isoaminile (or γ -dimethylamino- α -isopropyl- α -phenylvaleronitrile).

1NDICATIONS: For the suppression of cough. Dosage: One capsule three to five times a day.

How Supplied: In tube of twenty.

FIRST ISSUED: January 1961.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, March 11, 1961

PERITRATE S.A. (sustained action)

MANUFACTURER: Wm. R. Warner & Co., Ltd., Eastleigh, Hants. Description: Two-tone green tablets, each containing 80 mgm. of pentaerythritol tetranitrate (20 mgm, is released immediately and 60 mgm. over 12 hours).

INDICATIONS: For relief of myocardial anoxia in coronary disease. Dosage: One tablet before breakfast and one before the evening meal.

How Supplied: In containers of fifty and 500.

First Issued: January 1961.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, March 11, 1961

SANCOS linctus

Manufacturer: Sandoz Products, Ltd., 23 Great Castle Street, London, W.1.

DESCRIPTION: Linetus containing 4 mgm. of pholoodine, 0.88 mgm. of menthol, 0.6 gm. of glycerin and 4.2 gm. of syrup per teaspoonful (4 mils).

INDICATIONS: Unproductive cough.

Dosage: Adults, 2 teaspoonfuls. Children, ½-I teaspoonful.

How Supplied: In bottle of 2 fl. oz., and dispensing packs of 4 fl. oz. and 2 litres.

SUPPLY RESTRICTIONS: P.J. FIRST ISSUED: January 1961.

AMENDMENTS TO RECENT ENTRIES

BIMEZ SUSPENSION. Now supplied in bottles of 30 and 500 mils.

CIROTYL SUSPENSION. Now contains 2 mgm. of diacetoxydiphenylisatin and 100 mgm. of propylene oxide/ethylene oxide polymer per teaspoonful (5 mils).

Crolax capsules. Replaced by sugar-coated TABLETS in containers of thirty and 250.

ENAVID TABLETS. Now each contain 5 mgm. of norethynodrel and 0.075 mgm. of ethinylæstradiol 3-methyl ether, or 9.85 mgm. of norethynodrel and 0.15 mgm. of ethinylæstradiol 3-methyl ether.

Moditen Tablets. Now each contain 0.25 or 1 mgm. of fluphenazine dihydrochloride in bottles of twenty-five (0.25, 1 mgm.), 100 and 500 (1 mgm. only).

Trasylol injection. Now contains 5,000 kallikrein inactivator units per 5 mils, in boxes of ten and twenty-five 5-mil ampoules.

TRIOMINIC TABLETS. Now supplied in bottles of twenty-five, fifty and 250.

DISCONTINUED

Lactophil tablets; Phenaglate Capsules; Quadrin tablets; Veriloid intramuscular.

TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, MARCH 8: There was little buying interest shown in the CRUDE DRUGS market during the week. The weak tone in Chinese MENTHOL continued and with shipment offering at 2s. 6d. per lb. less, spot holders reduced their quotations by 1s. 6d.; Brazilian material remained at recent levels.

Both of the BALSAMS, COPAIBA and PERU were said to be short on the spot while SARSAPARILLA was said to be cleared at origin. ALOES and BUCHU prices remained unchanged.

ARROWROOT is unobtainable in quantity; suppliers in St. Vincent have not been able to meet their commitments since the last season's crop was harvested. African GINGER dropped a further 20s. per cwt. on the week while Jamaican advanced 2s. 6d.

Formosan CITRONELLA fell by ninepence per lb., both on the spot and for shipment. Lemongrass was three-halfpence per lb. lower in both positions and white Camphor oil was marked down twopence. Chinese Anise was considerably firmer once again, the spot quotations being fourpence halfpenny per lb. dearer at 7s. 4½d. Also higher per lb. were Sandalwood by 5s., and Vetivert for shipment (up one shilling).

THEOPHYLLINE ALKALOID was down ls. 6d. per kilo, AMINOPHYLLINE was reduced in sympathy by a similar amount. The revaluation of the Dutch guilder may cause a rise in QUININE and THEOBROMINE prices.

The Board of Trade announce that an application for the removal of the import duty on ALUMINIUM LITHIUM HYDRIDE has been withdrawn.

Pharmaceutical Chemicals

Adrenaline. — (Per gm.). Synthetic B.P. 1-kilo lots, 11d.; 500 gm., 1s. 1d. acid tartrate, B.P., 1 kilo, $7\frac{1}{2}$ d.; 500 gm. 9d.

ALUMINIUM ACETATE.—B.P.C. in 1-cwt. sacks, 1s. 9d. per lb.

p-Aminosalicylic acid. — Sodium, 17s. 6d. per kilo for 1,000-kilo lots.

ASPIRIN. — 5-cwt. lots (in kegs), 4s. 9d. per lb.; 1-cwt., 4s. 11d. Calcium salt, 12s. 6d per lb.

Brucine. — Alkaloid and Sulphate 100-oz. lots, 10s. 6d. per oz.

Chalk.—Prepared powder B.P., £22 per ton for minimum 1-ton ex works.

Charcoal.—Medicinal activated, B.P.C., in 1-cwt. lots, £22 10s. per cwt.

CITRATES.—Per lb.:

	I cwt.	5 cwt.
Sodium†	s. d. 2 7½	s. d. 2 6½
POTASSIUM† IRON AND AMMONIUM*	2 10½ 3 6½	2 9 3 5

†Powder 3d. per lb. more. *Scales 10d. per lb. more.

CITRIC ACID. — Domestic powder and crystals (in kegs) per cwt. 1–4-cwt. lots, 201s. per cwt. 5–19-cwt., 197s.; 1 ton, 196s. In paper bags, prices are 193s., 189s. and 188s., respectively.

DIPHENAN.—(Per lb.), 55s. 3d. (56-lb.), to 63s. (1-lb.).

ETHER.—Per lb. in winchesters: TECHNICAL B.S.S., and SOLVENT, 5-cwt., 2s. 7d.; (4s. 1d. per litre). In drums the price is 2s. 2d. per lb. ANÆSTHETIC, B.P., 5-cwt., 3s. 10d.; 10-cwt., 3s. 9d.

Gallic acid.—B.P., 10s. 7d. per lb. for 1-cwt. lots. Technical grade, 9s. 9d.

GLYCYRRHETINIC ACID.—Per gm., 2s. 3d. HYDROCHLORIC ACID.—B.P., 50s. per cwt. in carboys.

Kaolin.—Light, 60s. per cwt.; 1-ton, 57s. per cwt.

Lactates. — Calcium, B.P., 2s. 3d. per lb. in 5-cwt. lots and 2s. 4d. in 1-cwt. lots; Calcium sodium, 4s. 9d. and 4s. 10d. per lb.

PHENOL. — Ice crystals in drums is 1s. $4\frac{1}{2}$ d. per lb. (under 1-ton lots, 1s. $7\frac{1}{2}$ d.). Detached crystals, 2d. per lb. above and LIQUID, B.P., $\frac{3}{4}$ d. per lb. below the foregoing prices.

PHOSPHORIC ACIDS. — B.P. (s.g. 1.750) is from 1s. 4d. to 1s. 8d. per lb. as to quantity. B.P. 1914, 1s. 2d. to 1s. 6d. per lb. Hypophosphorous, B.P.C., in winchesters is from 7s. 5d. to 8s. 6d. per lb., as to quantity; drums, 7s. per lb.; 50 per cent. acid, drums, 8s. 9d.

Potash sulphurated. — Lump, B.P.C., 2s. 9d. per lb. in 1-cwt. lots.

Potassium acetate. — (Per lb.) 1-cwt. lots, 3s.; 5-cwt., 2s. 8d.; 10-cwt., 2s. 6d.

Potassium bicarbonate.—B.P. powder, 110s, per cwt. 1-4-cwt. lots and 105s, per cwt. for 5-cwt. and over.

Potassium bromate. — In 5-cwt. lots, 5s. 3d. per lb.

Potassium carbonate.—One-cwt. kegs, 2s. 3d. per lb.

Potassium chlorate.—One-cwt. cases, 2s. 6d. per lb.

Potassium chloride. — In 1-cwt. lots, B.P., 1s. 6d. per lb.

Potassium hydroxide.—B.P. sticks are from 6s. 8d. per lb. and pellets, 4s. 6d.; technical flake, 1s. 10d.

POTASSIUM 8-HYDROXYQUINOLINE SUL-PHATE. — 1 kilo is 47s. 1d. and 50 kilos, 44s. per kilo.

Potassium metabisulphite. — One-cwt. kegs, 170s.

Potassium nitrate. — Pharmacopeial quality, 100s. per cwt. (crystals or powder) in 1-cwt. lots.

Potassium Permanganate. — B.P. in 1-cwt. lots, 1s, $11\frac{3}{4}$ d. per lb. Technical 209s. per cwt. and £198 per ton.

Potassium quadroxalate. — One-cwt., 3s. 6d. per lb.

POTASSIUM SULPHATE. — B.P. 1949, one-cwt. lots, 1s. 2d. per lb.

POTASSIUM THIOCYANATE. — One-cwt., 5s. 6d. per lb.

Pyrogallic acid. — One-cwt., pure crystals, 24s. 6d. per lb.; resublimed 26s. 6d.

Salicylic acid.—One-cwt., 3s. $4\frac{1}{2}d$. per lb.; 5-cwt., 3s. $2\frac{1}{2}d$. per lb.

Sodium acetate. — B.P.C., one cwt., 2s. 1d. per lb.

Sodium acid phospiiate.—B.P.C., onecwt. kegs, 2s. 9d. per lb.

Sodium Benzoate.—One-ton lots, 2s. $7\frac{1}{2}$ d. per lb.; 1-cwt., 2s. $9\frac{1}{2}$ d.

SODIUM BROMATE. — One-cwt., 9s. 9d. per lb.

SODIUM CARBONATE.—B.P.C. exsiccated, 70s. per cwt.; 5-cwt., 65s. per cwt.

Sodium chloride.—B.P., 37s. 4d. per cwt. in sacks.

Sodium fluoride.—B.P.C. 1934, one-cwt. kegs, 3s. 6d. per lb.

Sodium Metabisulphite. — Granular, 1-cwt. lots, ninepence per lb.

Sodium nitrite.—B.P.C. One-cwt. kegs, 2s. 7d. per lb.

SODIUM PERBORATE. — (Per i ton) £145 15s. in 1-cwt. kegs; £138 5s. in 1-cwt. bags for B.P.C. (minimum 10 per cent. available oxygen). PERBORATE MONOHYDRATE testing 15 per cent. available oxygen is £309 15s.; TETRAHYDRATE, from £131 15s. to £139 5s. per ton as to packing.

SODIUM PERCARBONATE. — (Per cwt.) 170s. 9d. (bags, 7s. 6d. lower) for minimum 12½ per cent. available oxygen.

Sodium phosphate. — B.P.C. powder, 2s. 3d. per lb.

SODIUM SALICYLATE. — One-ton lots in bulk, 3s. 9d. per lb.; 5-cwt., 3s. 10d.; 1-cwt., 4s.

SODIUM SULPHATE.—B.P. from £12 10s. to £21 per ton as to crystal, quantity and packing, ex works. B.P. exsiccated, £54 per ton.

SODIUM SULPHIDE.—In 1-ton lots: Solid, £38 2s. 6d.; broken, £39 2s. 6d.; flake, £40 12s. 6d.; crystals, £29 10s.

STRYCHNINE. — 100-oz. lots: ALKALOID and HYDROCHLORIDE, 10s. 6d. per oz.; SULPHATE, 9s. 6d.

SULPHURIC ACID.—Ninepence to 1s. 2½d. per lb. in Winchesters.

TANNIC ACID.—The B.P. levis, ex ether, 9s. 3d. per lb.; B.P. powder, 8s. 9d. (1-cwt. lots).

Terebene. — Rectified, one-carboy lots, 4s. 6d. per lb.

TERPIN HYDRATE.—From 6s. per lb. upwards as to quantity.

TERPINEOL.—B.P., 1-cwt. lots, 2s. 7d.; perfumers, 3s. 3d. per lb.

Theophylline.— $12\frac{1}{2}$ -kilo lots: Alkaloid anhydrous, 33s. per kilo and B.P., 32s. 6d.; aminophylline, 30s. per kilo; $12\frac{1}{2}$ kilos, 31s. per kilo.

Crude Drugs

BALSAMS.—Per lb.: CANADA: Spot, 22s. for paper-filtered. COPAIBA: Spot, 8s. 6d. duty paid. PERU: Spot, 9s. in bond. Tolu (genuine as imported) nominal; B.P.,

BELLADONNA. — LEAVES (t.a. 0.53 per cent.), 1s. 9d. per lb. Dutch for shipment (t.a. not quoted) 2s., c.i.f. Root cleared on the spot.

Buchu. — Spot rounds, 1958-59 crop, 4s. 9d. per lb.; new crop for shipment, 4s. 2d., c.i.f.

CAPSICUMS.—Chinese, on stalk, 150s., duty paid; Ethiopian, 200s.

CARDAMOMS.—Aleppy greeens, spot, 13s. 9d. per lb.; shipment, 12s. per lb., c.i.f. Seeds, shipment, 21s., c.i.f.

CASCARA. — Spot, 1960 peel, 275s. per cwt., shipment, 270s., c.i.f.

CASSIA. — Fistula, 100s. per cwt.; lignea (whole), spot 420s., duty paid.

CHAMOMILE.—Belgian, 6s. 6d. to 7s. 6d. per lb. as to quality; Hungarian type, 6s. 6d.

COCHINEAL.—Black-brilliant, 11s. 6d. per lb., silver-grey 10s., spot; Peruvian silver-grey toarrive 4s. 6d.

COCILLANA. — Bark, 2s. per lb., spot; 1s. 8d., c.i.f.

A TREMENDOUS TRIO

inc-o-lin

PRODUCTS



LINC-O-LIN Beer Shampoo

The genuine beer content in LINC-O-LIN Beer Shampoo brings out the richest tones in the dullest hair, and gives 'body' and 'weight' to fine hair. Suitable for all types of hair, this is the shampoo that creates customer good-will.

The genuine Beer Shampoo with the 'best bitter' flavour in four fascinating packs:

Box of 6 'Magnum' packs (each containing over 20 shampoos)

16/- plus 4/- P. Tax (Retail 4/6 each)

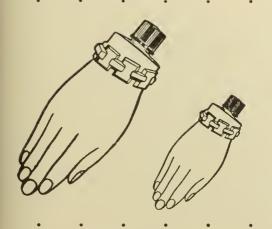
Box of 3 doz, single sachets 15/- plus 3/9 P. Tax (Retail $9\frac{1}{2}$ d, each)

Box of 3 doz. Twin Packs (two shampoos—'His' and 'Hers')

20/- plus 5/- P. Tax (Retail 1/- each)

Box of I doz. Baby Barrels (each containing four shampoos)

14/8 plus 3/8 P. Tax (Retail 2/3 each)



LINC-O-LIN Hand Cream

Something unique in packaging and in hand creams. Delightful 4 oz. and 1 oz. hand shaped packs in three lovely pastel shades. Your customers will see instant results after only one application of this wonderful cream with its fresh, clean perfume.

 Box of 1 doz. 4 oz. packs.
 £1/8/0 plus 14/- P. Tax (Retail 4/11 each)

 Box of 3 doz. 1 oz. packs.
 25/- plus 12/6 P. Tax (Retail 1/6 each)

 Box of 1 doz. 4 oz. Refills.
 18/- plus 8/- P. Tax (Retail 3/6 each)



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LINC-O-LIN Universal Hair Treatment

Never before has a hair treatment been so universal! Several functions performed in one application. Reconditions—stops breakage and splitting—restores elasticity—controls dandruff—restores overbleached, overpermed hair to silky suppleness. This delightfully perfumed Treatment is marketed in white polythene packs—enough for four applications.

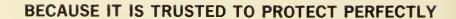
Box of I doz. 2 oz. bottles

16/- plus 8/- P. Tax (Retail 2/9 each)

LINCOLN CHEMICALS LIMITED 55/57 STRAFFORD ROAD, LONDON W.3

All Export Enquiries to:

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Glass packing says 'purity' and 'protection' to people. It says 'this product was made with precise care and packed to preserve it perfectly.' So glass packing instils confidence. That is why glass packing actively influences the choice of proprietory preparations.

Something new and interesting is continually happening in the glass container industry. Your Glass Manufacturer always welcomes the opportunity of discussing current developments with you.

PROVE IT WITH A PRACTICAL TEST ON YOUR PRODUCT

The Glass Container-Acceptance Testing Service provides Packers with facilities to test consumer reaction to new pack designs BEFORE they go into mass production—in any or all of the following progressive stages:

DESIGN PREFERENCE TESTING Any new design can be tested on a consumer panel of 400 families.

CONTAINER IN USE TESTING The new container and its product can be tried in actual use in the home.

RETAIL TESTING The sales appeal of a new container can be tested under actual retail conditions.

Further details of this service are contained in a booklet which you can get from your Glass Manufacturer, or from the Federation.

See how good things are in GLASS



COLOCYNTH PULP.—Spot, 2s. to 2s. 6d. per lb. as to quality.

DIGITALIS. — Purpurea for shipment, 11d. to 2s. 4d. per lb., c.i.f., as to test.

ELEMI.—Spot cleared. Shipment, 1s. 11d. per lb., c.i.f.

per lb., c.i.f., for prompt shipment; spot, 9s. 3d. Ergot.—Portuguese nominally 10s. 9d.

Frangula.—Spot, 105s. per cwt.

GINGER.—African, spot, 155s.; new crop for shipment, 135s. per cwt., c.i.f. Jamaican No. 3, spot, 210s.; shipment, 190s., c.i.f. Cochin, shipment, new crop, 120s., c.i.f.; spot, 140s. (per cwt.).

GUM ACACIA. — Kordofan cleaned sorts, 152s. 6d. per cwt., spot; new crop, March-April shipment, 135s., c.i.f.

HENNA. — Indian, spot, 87s. 6d. per cwt.; new crop for shipment, 62s. 6d., c.i.f.

HONEY.—Australian light amber, 100s. to 102s. 6d. per cwt. and medium amber 95s. to 100s. Argentine, 105s. to 110s.; Jamaican, 110s. to 115s.; Canadian clover, 145s. to 150s., all ex warehouse.

IPECACUANHA. — For shipment, c.i.f., per lb.—Colombian, 50s. 3d.; Costa Rican, 67s.; Nicaraguan, 66s., nominal. Spot: Matto Grosso, 53s, 6d. to 55s. as to test; Colombian, 55s. 6d.

JUNIPER BERRIES.—Italian, 90s. per cwt.; German, 130s.

KARAYA. — No. 1 gum, spot 325s. per cwt. nominal; No. 2, 220s.

Kola nuts. — Jamaican for shipment, 7d. per lb., c.i.f. African, $5\frac{1}{2}d$. spot and 4d., c.i.f.

Lanolin. — Anhydrous B.P., is from 170s. to 175s. per cwt. in 1-ton lots and Hydrous, B.P., 150s., free drums, delivered.

LEMON PEEL.—Spot, 3s. 3d. per lb.

LINSEED.—Whole, 70s. to 75s. per cwt.; crushed, 105s.

LIQUORICE. — Natural root: Persian on the spot, 40s. per cwt.; other varieties cleared. Anatolian decorticated, 175s. Block juice: Anatolian from 190s. per cwt.; Italian stick from 392s. to 470s. per

LOBELIA HERB. — American, c.i.f. value 7s. 9d. per lb.

MACE. — Whole pale blade, 23s. 6d. per lb. spot.

MENTHOL. — Chinese: spot, 86s. per lb., duty paid; shipment, 77s. 6d., c.i.f. Brazilian, 53s. 6d., in bond; shipment, 52s. 6d., c.i.f. Formosan, 54s., in bond.

MERCURY. - About £69 per flask of 76-lb.

NUTMEGS. — West Indian 80's 12s. per 3d.; spot; sound unassorted, 9s. 3d.; lb., spot; sound defectives, 6s. 9d.

Nux vomica. — Spot, 130s. per cwt.; shipment, 90s., c.i.f., subject to export licence.

Orange Peel. — Spot: Sweet ribbon 2s. per lb.; bitter quarters: West Indian, 1s.; Spanish, 1s. 3d.; bitter ribbon, 1s. 3d.

Orris root.—Florentine, 335s. per cwt.

PAPAIN. — Tanganyikan, 12s. per lb., i.f., for grade one; spot 15s. Ceylon all grades nominal.

PEPPER.—White Sarawak, spot, 3s. 11d. per lb.; shipment, 3s. 10d., c.i.f. Black Sarawak, spot, 3s. 1½d.; shipment, 3s., c.i.f. Black Malabar, 420s. per cwt. spot, and 355s., c.i.f.

Peppermint leaves. — I. 1s. 9d. to 2s. 2d. per lb., c.i.f. Dutch whole

PIMENTO.—Spot, 590s. cwt.; shipment, 540s., f.o.b.

PODOPHYLLUM.—Emodi, 190s. per cwt., Peltatum, 375s.

Pyrethrum.—Extract. minimum 25 per cent. w/w pyrethrins, 75s. per lb. for small

QUILLAIA. — Spot nominal; shipment. 122s. 6d. per cwt., c.i.f.

Rhubarb. — Chinese small rounds from 5s. 9d. to 6s. 9d. per lb. on the spot.

SAFFRON.-Mancha selecta, 147s. 6d. per

SARSAPARILLA. — Jamaican native red spot, 2s. 9d. per lb.; shipment, 2s. 3d., c.i.f., nominal.

SENEGA.—Spot, 21s. 6d. per lb.

SENNA. — Tinnevelly LEAVES, prime No. 1, cleared per lb., f.a.q.; No. 3, 9d. Pops: manufacturing (f.a.q.), 9d. and hand-picked, 1s. 5d. to 1s. 10d. Alexandria pods: Manufacturing, 1s. 6d.; new crop hand-picked, 4s. 6d. to 6s.

SHELLAC.—F.O.T.N., 202s. 6d. per cwt.; No. 1, 225s.; F.O., 235s. to 285s., spot.

SLIPPERY ELM.—Bark, 3s. 6d. lb., landed value.

SQUILL.—White 75s. per cwt., spot.

STRAMONIUM. — Indian LEAVES 60s. per cwt., spot. Dutch 0.5 per cent. alkaloid 93s., c.i.f.

STYRAX. — Spot, 28s. 6d. per lb., shipment, 26s., c.i.f.

Tonquin Beans.—Para spot, 7s. lb. Shipment nominal. Angostura 11s.

Tragacanth. — No. 1 ribbon, £ £150 per cwt. No. 2, £135 to £140.

TURMERIC.—Madras finger on spot is 105s. per cwt.; new-crop for shipment, 87s. 6d. to 90s., c.i.f., quoted.

VALERIAN ROOT.—Spot: Belgian, whole (max. $2\frac{1}{2}$ per cent. sand) for prompt shipment, 145s., c.i.f. Dutch old crop cleared.

Vanillin.—Rates (per lb.) are now:—5-cwt. lots, 22s. 3d.; 1-cwt., 22s. 6d.; 56-lb., 22s. 9d.; small quantities, 23s.

WAXES. — (Per cwt.). BEES'.—Dar-es-Salaam, spot, 470s.; shipment, 440s., c.i.f., nominal. Abyssinian, spot 390s. in bond; shipment 370s., c.i.f. Benguela, shipment, 380s., c.i.f. Sudanese, spot, 420s.; shipment, 360s., c.i.f. Candelilla, spot, 475s. Carnauba, fatty grey, spot, 495s.; shipment, 470s., c.i.f.; prime yellow, spot, 730s.; shipment, 670s., c.i.f.

WITCH HAZEL LEAVES.—New-crop nominally, 4s. per lb.

nally, 4s. per lb.

SEEDS. — (Per cwt.). ANISE.—Spanish, 195s., duty paid. Caraway.—Dutch, 165s., duty paid. Celery.—Indian, 155s. spot; shipment easier at 145s., c.i.f. Coriander.

—Moroccan 117s. 6d., duty paid; shipment, 109s., c.i.f. Cumin.—Indian, 180s., spot; Iranian, 180s., duty paid. Dill.—Indian, 100s., spot; shipment firmer at 77s. 6d., c.i.f. Fennel.—Chinese, 105s., duty paid; Indian, 115s. Fenugreek.—Moroccan, 70s., duty paid; shipment, 54s. 6d., c.i.f. Mustard.—English, 65s. to 90s., according to quality.

Essential and Expressed Oils

ALMOND. — Moroccan, 6s. per lb., duty paid.

ANISE.—Chinese 7s. $4\frac{1}{2}d$. per lb., spot; shipment, 7s. 1d., c.i.f.

Arachis.—Spot, 2-5-ton lots naked ex mill, £143 per ton.

BAY.—West Indian short on the spot, prices nominal.

BERGAMOT.—Spot, from 72s. 6d. per lb. Bois de Rose.—Brazilian, 14s. 6d. per lb. on the spot and 14s. 3d., c.i.f.

Calamus.—Spot, 56s. 6d. per lb.

CAMPHOR, WHITE.—Chinese, 1s. 6d. per lb. in bond; 1s. 5d., c.i.f.

CEDARWOOD.—American rectified 8s. per lb. on the spot.

CELERY SEED. — Dutch oil, 90s. per lb. and Chinese, 65s.

CINNAMON. — From quillings, best English-distilled is 50s, per oz.; other B.P. oils from 165s, per lb. Ceylon leaf, spot. 9s. 6d. per lb.; Seychelles, 8s., spot. CITRONELLA. — Ceylon, spot, 6s. 9d.; shipment, 6s. 4d. per lb., c.i.f. Formosan, spot, 7s. 3d., in bond; shipment, 7s. 1½d., c.i.f.

CLOVE.—Madagascar leaf, spot, 7s. 6d. per lb., duty paid; shipment, 6s. 8d., c.i.f. Rectified 87–88 per cent., 12s. Distilled bud-oil, English, B.P., 28s. for 1-cwt. lots, COD-LIVER. — B.P. is 11s. 6d. per gall. in charged returnable drums. Veterinary is from 9s. 6d. per gall.

CORIANDER.—B.P. oil, 52s. 6d. per lb., spot.

CUBEB.—Small spot supplies of imported are 65s, per lb.; English, 90s.

Cumin. — Imported oil. 90s. per lb.; English-distilled, 120s.

DILL.—Imported, 38s. 6d. per lb., spot. FENNEL.—Spanish sweet, spot, 10s. per lb. GERANIUM.—Bourbon, 165s. to 170s. per

lb. on the spot: Algerian, 140s. LAVANDIN.—Spot from 7s. per lb. for original drums.

LAVENDER.—From 17s. to 50s. per lb. as to quality.

LAVENDER SPIKE.—Spanish, 12s. per 1b. for original drums.

LEMON.—Californian cold-pressed from 15s. 6d. per lb., spot; Sicilian, 29s.

Lemongrass.—Spot, 15s. $4\frac{1}{2}d$. per lb., and shipment, 15s. $1\frac{1}{2}d$., c.i.f.

LIME. — West Indian distilled, 50s. per lb. on the spot.

NUTMEG.—Imported B.P. oil is from 50s. to 90s. per lb. as to source. English-distilled, 140s.

OLIVE. — Spot, 19s, 3d. to 20s. 3d. per gall. in drums ex wharf; shipment, £190-£205 per 1,000 kilos, f.o.b. Spanish port.

ORANGE.—Spot quotations of sweet oil include Floridan at 3s. 6d. per lb.; West Indian, 3s. 6d.; Israeli, 7s. 6d., nominal; Californian, 5s. 3d. to 7s. 6d.

Отто of Rose.—Bulgarian, 400s. per oz. Turkish, £350 per kilo.

PALMAROSA. - Spot, 33s. per lb.; shipment, 30s., c.i.f.

PATCHOULI. — Penang is paid and 37s. 6d., c.i.f., per lb. 40s., duty

PEPPERMINT. — Arvensis: Chinese spot, 38s. 6d.; shipment, 37s. 6d., c.i.f. Brazilian spot, 18s.; afloat, 17s. 6d., c.i.f.; new-crop, March shipment, 17s., c.i.f. Piperita: Italian, 48s. per lb., spot. American from 30s. to 38s. per lb. as to make.

PETITGRAIN.—Paraguay, 18s. 3d. per lb., spot; shipment, 17s. 6d., c.i.f.

ROSEMARY.—Spanish is 7s. 6d. per 1b. on the spot for best quality.

RUE.—Spanish is 25s. per lb. spot.

Sandalwood. — Mysore 155s. to 160s. per lb. East Indian 152s. 6d.

SPEARMINT.—American oil on the spot 46s. 6d. per lb.

Tangerine.—From 26s. to 28s. per lb. as to quality.

THYME.—B.P.C. oil 9s. 6d. per lb., on the spot.

VETIVERT.—Bourbon spot, 115s. to 120s. per lb.; shipment, 114s., c.i.f.

YLANG YLANG.—Spot, 37s. 6d. per lb.

UNITED STATES REPORT

NEW YORK, MARCH 7: PIPERAZINE SALTS were advanced to make the CIT-RATE \$1.33 a lb., up 18 cents; the DIHYDROCHLORIDE \$1.29, up six cents; the HEXAHYDRATE, 90 cents, up four cents, and the PHOSPHATE \$1.11, up five cents. Prices for imported SACCHARIN were reported firmer. COPAIBA BALSAM for resale was increased to 82 cents per lb. Hydrastis at \$2.70, was down 10 cents. Bourbon GERANIUM OIL advanced \$1.50 to \$23.50 a lb.

NOTES ON **NEW MEDICAMENTS**

BRIETAL SODIUM. - Chemistry: The sodium salt of α-dl-1-mcthyl-5-allyl-5-(1-methyl-2-pentynyl) barbituric acid, or methohexital sodium. It has two asymmetrical carbon atoms, and four isomers are known. It also differs from some other barbiturate anæsthetics in not having a sulphur substituent in the 2-position, and in the degree of unsaturation in the 5-5'-positions. The mixed isomers have the disadvantage of causing an undesirable amount of muscle activity during anæsthesia, but that has been found due mainly to the β -isomers. In Briefal sodium the alpha-isomers have been separated and the side-effects reduced. Another sulphur-free barbiturate anæsthetic is hexobarbitone sodium (Cyclonal); sulphur substituted compounds include thiopentone sodium (In-Pentothal). thialbarbitone traval. sodium (Kemithal) and buthalitone sodium (Trasithal,

CREMOSTREP. - Constituents: Succinylsulphathiazole, streptomycin sulphate and kaolin. This sulphathiazole derivative is poorly absorbed when given orally, but the high local concentration obtained in the alimentary tract has a valuable bacteriostatic action. The effect is increased by the streptomycin, which likewise is not absorbed orally, and kaolin is added both for its powerful adsorbent properties and its local protective action. Other preparations of a similar character include Cremomycin (succinylsulphathiazole, neomycin and kaolin), Guanimycin (sulphaguanidine, streptomycin and kaolin), Ivax (sulphaguanidine, neomycin and kaolin) and Sulphamagna (phthalysulphathiazole, streptomycin, sulphadiazine and attapul-

DUROMINE.—Chemistry: Phenyl-tertiary-butylamine as an ion-exchange resin complex. substance is an appetite depressant, but unlike the amphetamines (2-aminopropyl benzene) it has no significant central stimulant action. The resin complex permits slow and steady absorption and longer action. Other appetite de-pressants with reduced or mild central stimulant activity are diethylpropion (Tenuate), and phenmetrazine (Preludin), which is also present as the theoclate in Filon. Long-acting forms of amphetamines are represented by Dexten, Durophet and Dexedrine Spansules.

LEVITON.—Constituents: Dexamphetamine sulphate and methylpentynol carbamate. stimulant action of the amphetamines is well known, but in the treatment of depression a more balanced psychological response can often be obtained by combined treatment with a sedative or tranquillising drug. Drinamyl, Dexobarb, Dexytal, Desbutal, Dicsid and Mylodex are based on similar therapeutic considerations, and contain an amphetamine with a barbituratc: Anxine contains mephenesin, dexamphetamine and cyclobarbitone; mephenesin is present with phenobarbitone in Nebrinal, and with quinalbarbitone in Seconesin. Steladex contains trifluoperazine with dexamphetamine.

ORGANIDIN.—Chemistry: 2,3-(2 and 3-iodopropylidenedioxy)propanol, also known as iodopropylidene glyccrol. It has the mucolytic properties associated with iodides, and also those found in certain glyceryl ethers. The compound is stated to be virtually free of the side effects that may follow therapy with the inorganic iodides. Guaiaeol gly-ceryl ether (guaiphenesin) is present in Respensyl, and together with chloreyelzine in Robitussin and Distolyt. Synuson contains guaiphenesin in association with ephedrine, phenacetin and ipecacuanha; in Pulmodrine, ephedrine. methylephedrine is present with the mucolytic compound.

SANCOS.—Constituents: Pholoodine, menthol and glycerin. Pholcodinc is a morpholinoethyl ether of morphine, and is thus related to codeine, which is the methyl ester of morphine. It has the cough-centre depressant action of the older drug, but pholeodine is much more effective, is less toxic, and is free from the undesirable gastrointestinal effects of codeine. Other phol-codine preparations include Ethnine, Glyco-dine and Memine; pholcodine is present in association with an antihistamine in Lipect and Valledrine. Cough centre depressants of other chemical constitution include benzonatate (Tessalon), oxeladin (Pectamol), caramiphen (Taoryl); alkaloidal products containing narcaramiphen cotine (noscopine) are represented by Coscapin and Nicolane.

SCHERIPROCT. . - Constituents: Prednisolone, dibucaine (cinchocaine), hexachlorophene and clemizole. In this preparation the anti-inflammatory and anti-allergic properties of prednisolone are supplemented by the analgesic compound einchocaine. The antibacterial cover often necessary during topical application of corticosteroids is provided by hexachlorophene, which has a wide range of activity. Clemizole is an antihistamine with mild analgesic properties. Proctosedyl contains hydrocortisone, cinchocaine, and the topical antibiotic framycetin.

STRIATRAN.—Chemistry: 1-ethyl-1-methylpropyl carbamate, or emylcamate. It is chemically related to mcprobamate (which is 2-methyl-2propyl-1,3-propanediol dicarbamate), but its tranquillising and muscle-relaxant effects are greater and of quicker onset. Meprobamate is available as Equanil, Miltown and Mepavlon, and other muscle-relaxant and tranquillising compounds include mephenesin (Myanesin) and mephenesin carbamate (Tolseram).

PATENTS

COMPLETE SPECIFICATIONS ACCEPTED From the "Official Journal (Patents)," March 1.

Process for the manufacture of modified cyclohexanone resins. Howards of Ilford, Ltd. 866,219.

Lactones of the steroid series and a process for manufacture. Farbwerke Hoechst, A.G. their 865.915.

Process for the production of 1,8-dihydroxy-2,6octodiene and octomethylene glycol. Montecatini Società Generale per l'Industria Mineraria e Chimica, 865,916.

Processes of production of compounds with a cortisone-like action and products thereof. J. E. Vilax. 866,056.

Method of preparing octahydrophenanthrene carboxylic acids with estrogenic activity.
Protiva and J. Jilek. 865,972.

Manufacture of phenyl-quinuclidines. CIBA, Ltd.

Process for preparing salts of quaternary ammonium monoazo dyes. American Cyanamid Co. 866,087.

Method for the manufacture of paraformaldehyde in a crape-chip form. Sumitomo Chemical Co., Ltd. 866,079.

Process for the preparation of unsaturated carboxylic acids, and their derivatives. Knapsack-Griesheim, A.G. 866,181.

Tri-iodo-benzoic acid derivatives. Sterling Drug, Inc. 866,184.

Process for the production of dichlorophosphoric acid esters. Deutsche Akademic der Wissen-Schaften zu Berlin, 866,067,
Process for the production of phosphoric acid

esters. Deutsche Akademie der Wissen-Schaften zu Berlin. 866,068.

Process for the preparation of aromatic phos-Imperial Chemical Industries, phinic acids. Ltd. 866,042.

Packages for tablets and other objects, Kooperativa Förbundet Ekonomisk Förening. 865,946. Respiratory apparatus. L. P. Grime. 866,207.

Vacuum flasks. British Vacuum Flask Co., Ltd., and M. A. Hassid. 866,263-64.

Catamenial tampons, L. A. Wilson, 866,023. British patent specifications are obtainable (price

3s. 6d. each) from the Patent Office, 23 Southampton Buildings, Chancery Lane, London, W.C.2.

WILLS

L. CHRIMES, The Knowle, Blundellsands MR. Road West, Great Crosby, Lancs (late company sccretary, Evans Medical, Ltd.), left £6,912 (£2,035 net).

B. F. HOWARD, Little Pollards, Road, Loughton, Essex (late president of Howards & Sons, Ltd., Ilford, and former member of the Council of the Royal Institute of Chemistry), left £93,626 (£93,367 net).

MR. J. T. RICHARDS, M.P.S., Wycliffe, 4 Park Road, Penygraig, Glam, left £40,729 (£34,223 net).

MR. G. W. SCADDAN, M.P.S., Walnut Tree Cottage, Upper Basildon, Berks, left £26,598 (£22,225 net).

CONTEMPORARY THEMES

THE HOSPITAL PHARMACIST, professional opportunities and responsibilities for, in utilisation of the literature. Amer. 1. hosp. Pharm., January.

THE PHARMACIST as drug consultant, rôle of, in the hospital. Amer. J. hosp. Pharm., January.

HOSPITAL PHARMACY, a classification and filing system for. *Amer. J. hosp. Pharm.*, January. THE PHARMACIST as a book collector. *Amer. J.*

hosp. Pharm., January.

DIABETES, symposium on. Brit. J. clinical Pract., January.

CHLORPROPAMIDE and PHENFORMIN, use of, Brit. J. clinical Pract.. January. DIABETES, normal life with. Brit. J. clinical Pract.,

January. AGRICULTURAL CHEMICALS and wild life.

Scientist. March 2.

IMMUNOLOGICAL TOLERANCE. Science, February 3, IMMUNOLOGICAL RECOGNITION of self. Science, February 3.

OESTRADIOL DIPROPIONATE, determination of, in oils. J. Pharm. Pharmacol., March.

AUTOXIDATION, and its inhibition, in anhydrous lanolin. J. Pharm. Pharmacol., March. MALARIA STORY. R. Soc. Med., February.

PEPTIC ULCER PROBLEM. Practitioner, March. SODIUM METHICILLIN in routine therapy, Lancet,

March 4. CHOLINE, the triethyl analogue of, and neuromuscular transmission. Lancet, March 4.

GASTROINTESTINAL ABSORPTION OF A STEROID, effect of a detergent on. Lancet, March 4.
Thiotepa in carcinoma of breast treated by bi-

lateral adrenalectomy and oophorectomy. Brit. med. J., March 4.

CHLORAMPHENICOL TOXICITY, Brit, med. J., March 4.

UNCLASSIFIED MYCOBACTERIA, Brit. March 4.

ANTI-STAPHYLOCOCCAL ANTIOBIOTICS. A comparison in vitro of some. Yok. med. Bul., October,

TABLETING without granulating. Drug and Chem. Ind., February,

COSMETIC REACTIONS and the clinical dermatologist. Drug and Chem. Ind., February.

METHYRIDINE. Observations on the use of, as an anthelmintic in practice. Vet. Rec., March 4.
METHYRIDINE. A clinical evaluation of, in normal veterinary practice. Vet. Rec., March 4.

METHYRIDINE. A summary of anthelmintic and toxicity results from field trials. Vet. Rec., March 4.

NEUROCHEMICAL AGENTS. J. Amer. med. Ass., February 11.

CHEMOTHERAPY: Problems and prospects. Med. World, February.

INDOIE-3-ACETONITRILE. Growth inhibition of insects and a fungus. Science, February 17. VITAMINS, stability problems with some, in pharmaceuticals. *Amer. J. Pharm.*, December

METAL-BINDING. Rôle of, in the biological activities of drugs. J. of pharm. Sciences,

February. QUINOLINE. Studies on derivatives as anti-infective

agents, J. of pharm. Sciences, February.

METHYL PYRIDINIUM-2-ALDOXIME SALTS, Investi-

gation of. J. of pharm. Sciences, February. FORMULATIONS. colour stability J. of pharm. Sciences, February.

GASTROINTESTINAL ABSORPTION. Equipment and methodology for relating to site of drug re-Equipment and

lease. J. of pharm. Sciences, February.

APOMORPHINE, antagonism of by chlorinated phenothiazines. J. of pharm. Sciences, February.

LIVER PROTFINS. Detection of in circulating blood. Nature, March 4.

TOCOPHEROL, UBIQUINONES and UBICHROMENOLS in yeasts and mushrooms. *Nature*, March 4.

TRIACETYL-OLEANDOMYCIN. A method of dissolving for the assay of sensitivity of microorganisms. *Nature*, March 4.

DIISOPROPYFLUOROPHOSPHONATE. Protective effects of against the lethal effects of x-rays before or after irradiation. Nature, March 4.

WILLIAM HARVEY, King Charles I and. R. Soc. Med., February.

TELEVISION

Igures in the columns represent number of ppearances of the product during the week.

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Aarch 19-25	Midland	North	Scotland	Wales	South	Z.E.	Anglia	Ulster
Alka-Scitzer	1	2 2	1	1	1	1	1	1
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Delrosa	3 :	2 1	2		_	_	_	3
Delsey		- —	_	_	2	_	2	_
Dramal	1 -	- —	_	_	1	_	_	1
Eno's fruit salt	- :	2 —	_	2	_	_		_
Euthymol tooth-paste	1 -		—	_	_	1	_	3
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Vinspray			_	—	1	_	_	—
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PRINT AND PUBLICITY

PUBLICATIONS

Medical Propaganda

Manufacturers' leaflets, folders, booklets, etc., irected to doctors but available to pharmacists.

BA LABORATORIES, LTD., Horsham, Sussex:
"Aldocorten (aldosterone CIBA) . . naturally-occurring adrenocortical hormone " (24-p. booklet).

GEIGY PHARMACEUTICAL Co., 1.TD., Wythenshawc Manchester, 23: Documenta Geigy No. psychomatica " (51-p. booklet): "Butazolídín . . . antí-rheumatíc, analgesic, antí-inflammatory agent," "Irgapyrín . . . for the treatment of rheumatíc disorders," "Síome treatment of ricumatic disorders, Siogen . . . antiseptic and antimycotic lozenges,"
"Synopen . . . antihistaminic," "Thrombokinase 'Geigy' with calcium . . a standardised thromboplastin," "Tromexan . . . oral
anticoagulant" (booklets); "Dosulfin," anticoagulant " "Diuretic therapy and potassium loss"— Hygroton, "Tofranil . . . thymoleptic" (4-p. folders).

ABYRN LABORATORIES, LTD., Greenford, Mid-dlesex: "Variderm ointment" (information card).

HARMACEUTISCHE FABRIIK "ROTER," Hilversum, Holland: "Roter in the Treatment of Peptic Ulcer and Ulcer-like Syndrome " (30-p. booklct).

HARMETILICALS (LONDON), LTD. (Schering, A.G., Berlin, Germany), 20 Gerrard Street, London, W.1: "Primolut N . . . oral progestogen" (information card); "Pregnant or not? The 'eyes' have it! . . . Primodos" (4-p. folder). ROCHE PRODUCTS, LTD., 15 Manchester Square, London, W.1: "Living death"—treatment with Libruim capsules; "Marplan . . . in angina pectoris, in depressive states,"

PRESS ADVERTISING Periodicals

CAMERA INDUSTRIES OF WEST GERMANY, 17 East 45th Street, New York, 17, N.Y., U.S.A.: Camera News of West Germany, December 1960. Vol. 2, No. 4. Pp. 8.

NIWBOLD & BULFORD, LTD., Enbecco Ilouse, Roger Street, London, W.C.1: Enbecco Bulle-tin, February 1961, Vol. 10, No. 130, Pp. 8.



COMPACT "DISPENSER" STAND: Wilkinson Sword, Ltd., Southfield Road, London, W.4, have produced a vertical display unit (the Pillarstand) incorporating a new disposable car-ton (the Pillarpack) of Wilkinson blades. Sturdily constructed, and having an eye-catching red, white and blue panel featuring the red, white and blue panel featuring the Wilkinson sword-edge trade mark, the Pillarstand takes up minimum counter space, yet holds twenty-four "dispensers" packed vertically in the new red and blue Pillarpack carton. "Dispensers" are withdrawn from the rear of the Pillarpack after a tear strip has been removed. Gravity feed ensures that the "dispensers" are always ready for sale. In reloading, a full pack is dronned into the stand as loading, a full pack is dropped into the stand as soon as the empty one has been removed. Rubber tipped feet protect the counter and ensure maximum stability. If desired the "dispensers" may be served from the front of the unit as well as from the rear.

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Monday, March 13

AGRICULTURAL AND SURFACE-ACTIVITY GROUPS, SOCIETY OF CHEMICAL INDUSTRY, 14 Belgrave Square, London, S.W.1, at 5.30 p.m. Joint meeting. Mr. G. H. Cashen on "Electric charges on clays."

PORTSMOUTH BRANCH, PHARMACEUTICAL SOCIETY

and Portsmouth Chemical Soc ety, room H9, Portsmouth College of Technology, at 7.15 p.m. Joint meeting. Dr. A. B. Foster on "Some Polysaccharides of the Human Body."

ROYAL SOCIETY OF ARTS, John Adam Street, London, W.C.2, at 6 p.m. Mr. C. E. Engel (department of medical illustration, Guy's Hospital) on "Photography in Mcdicine." Second of three Cantor lectures on "Modern Photography.'

STOCKPORT BRANCH, PHARMACEUTICAL SOCIETY, Warren Bulkeley hotel, Warren Street, Stock-port, at 8 p.m. Mr. A. R. G. Chamings (a member of the Society's Council) on "The Pharmacist and the Doctor."

Tuesday, March 14
CHELTENHAM BRANCH, PHARMACEUTICAL SOCIETY, Gloucester Dairy café, at 7.45 p.m. Film show.

DONCASTER BRANCH, PHARMACEUTICAL SOCIETY, Ivanhoc hotel, Sprotborough, at 8 p.m. Mr. R. J. Wilson (Kodak, Ltd.) on "Super Slides and all That."

HARROW BRANCH, PHARMACEUTICAL SOCIETY, Darvell's Bakeries, High Street, Chesham, at 8 p.m. Mr. L. Priest on "Background of Some Modern Treatments."

MIDLANDS SECTION, SOCIETY FOR ANALYTICAL CHEMISTRY, Regent House, St. Phillip's Place, Birmingham, 3. Annual meeting.

Norwich Branch, Pharmaceutical Society, Assembly House, Theatre Street, Norwich, at 7.30 p.m. Mr. B. Myers on "Pharmacy Design and Lighting."

SOUTH-EAST LONDON CHEMISTS' ASSOCIATION and BRANCH AND SOUTH-EAST METROPOLITAN BRANCH. NATIONAL PHARMACEUTICAL UNION, New Cross Inn. 323 New Cross Road, London, S.E.14, at 8 p.m. Mr. J. McClenahan (assistant secretary, N.P.U.) on "The Drug Testing Scheme."

OUTH SHIELDS PHARMACISTS' ASSOCIATION,
Golden Lion hotel, King Street, South Shields,

SOUTH at 7,30 p.m. Mr. F. H. Oliver on "The Newer Antibiotics."

Wednesday, March 15

BIRMINGHAM PHARMACEUTICAL ASSOCIATION, Botanical Gardens, Edgbaston, at 6.15 p.m. Annual banquet and ball.

ROYAL INSTITUTE OF CHEMISTRY (LONDON SEC-OYAL INSTITUTE OF CHEMISTRY (LONDON SECTION), INSTITUTE OF PHYSICS, PHYSICAL SO-CIETY, and INSTITUTE OF BIOLOGY, William Beveridge Hall, Senate House, London, W.C.1, at 2 p.m. Symposium on "The Soil: Problems Raised by its Use and Misuse.

Scottish Department, Pharmaceutical Society of Great Britain, 36 York Place, Edinburgh, at 7.45 p.m. Dr. F. Fish on "Some Aspects of Drug Addiction."

SOUTH LONDON AND SURREY PHARMALISTS' GOLF-ING SOCIETY, Shirley Park Golf Club, Croydon, Surrey, at 7.30 p.m. Annual meeting.

Thursday, March 16

HARROGATE BRANCH, PHARMACEUTICAL SOCIETY, Blue Bird café, Parliament Street, Harrogate, at 7.30 p.m. Mr. H. W. Tomski on "The Economics of Pharmacy."

MANCHESTER PHARMACEUTICAL ASSOCIATION, Engineers' Club, Albert Square, at 7.45 p.m. Mr. W. R. Roberts (chief inspector of the Pharmaceutical Society) on "The Legal Responsibilities of the Pharmacist with Reference to Current Amendments of the Poisons Law.

NORTH SCOTTISH BRANCH, PHARMACEUTICAL SO-CIETY, Royal hotel, Inverness, at 8 p.m. Mr. G. Farquharson on "Flash and Your Cus-

PORTSMOUTH COLLEGE OF TECHNOLOGY PHARMACY STUDENTS' ASSOCIATION, Rock Garden Pavilion, Southsea. Dance in honour of Mr. N. Francis.

HAMES VALLEY PHARMACISTS' ASSOCIATION, Kingston hotel, Kingston-upon-Thames, at 7.45 p.m. Mr. S. W. Kipling on "Psychiatry and Advances in the Diagnosis and Treatment of the Depressive States," followed by "The Faces of Depression" (film).

WESTERN PHARMACISTS' ASSOCIATION AND WEST METROPOLITAN BRANCII, PHARMACEUTICAL CIETY, New Princess Suite, Connaught Rooms, Great Queen Street, London, W.C.2, at 6 p.m. Annual dinner and dance.

Friday, March 17

FINE CHEMICALS GROUP, SOCIETY OF CHEMICAL INDUSTRY, 14 Belgrave Square, at 6.30 p.m. Dr. L. M. Jackman on "The Uses of Nuclear Magnetic Resonance in the Determination of Chemical Structure.'

ROYAL INSTITUTION OF GREAT BRITAIN, 21 Albemarle Street, London, W.1, at 9 p.m. Professor R. S. Nyholm on "Magnetism and Chemical Architecture," Illustrated lecture.

Saturday, March 18

PORTS MOUTH COLLEGE OF TECHNOLOGY, PHARMACY AND PHYSIOLOGY DEPARTMENT, Park Road, Portsmouth, at 2 p.m. Two-day course in chemical pathological technique.

Advance Information

INTERNATIONAL HOSPITAL EQUIPMENT AND MEDI-CAL SERVILES EXHIBITION, Olympia, London, W.14. May 15-20.

SELF SERVICE. VENDORS AND SHOP DISPLAY EXHIBITION, Olympia, London, W.14. May 15-19.

TRADE MARKS

APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," February 15 For preparations for waving and setting the hair (3)

ZOTOS FOAMWAVE, 795,381, by Sales Affiliates, Ltd., Boreham Wood, Herts.

For non-medicated toilet preparations and cosmetics (3)

ARGENTA, B798,489, by Washburn Laboratories, Inc., St. Paul, Minnesota, U.S.A.

For perfumes, non-medicated toilet preparations

and cosmetic preparations (3) CELUI, B790,543, by Les Parfums Jean Desses, Paris 8e, France.

perfumed soaps, perfumes, non-medicated toilet preparations, cosmetics, dentifrices and hair lotions (3)

Device with words RAMAGE EAU DE COLOGNE BOURJOIS, 800,926, by Bourjois, Ltd., Croydon, Surrey.

For all goods (3)

L'AIGLON, 804,637, by L'Aiglon Apparel, Philadelphia, Pennsylvania, KRISS, B809,080, by County Laboratories, Ltd., Brentford, Middlesex. MIDSHIP, 810,784, by Société des Essences Aromatiques et Matieres Device. Premieres, Monte Carlo, Monaeo. 811,885, by Columbia-Southern Chemical Corporation, Pittsburgh, Pennsylvania, U.S.A.

For cleaning, polishing, scouring and abrasive

AIRWICK, 805,467, by Airkem, Ltd., London, W.L.

For shampoos, non-medicated toilet preparations, soaps, perfumes, hair lotions and dentifrices (3)

NUCIA BONNIE, 807,706, by Stewart. Goodall & Dunlop, Ltd., Edinburgh, Scotland. Stewart. For mint-flavoured dentifrices (3)

MINTAL, B809,081, by County Laboratories, Ltd., Brentford, Middlesex.

For non-medicated toilet preparations and cos-

preparations (3)

AMICO, 810,305, by International Import and

Export Corporation, Ltd., Nassau, Bahamas. or preparations for removing rust (3) POLYRUSTEX, 810,561, by Polycell Products, Ltd., London, N.W.5.

For medicated preparations for the hair (3)

HAIRDREX, 810,696, by Phillips, Scott & Turner, Ltd., Newcastle-upon-Tyne, 1.

For perfumes, toilet preparations (not medicated), cosmetic preparations, dentifrices, depilatory preparations, toilet articles (not included in other classes), sachets for use in waving the hair, soaps and essential oils (3)

DRUMBEAT, 813,478, by Cussons, Sons & Co., Ltd., Kersal, Manchester, 7.

For pharmaceutical preparations containing vitamins for human internal use (5)
ADEFIOR, 798,065, by Upjohn of England,

Ltd., Crawley, Sussex.

For pharmaceutical preparations (5)

LAREX, 804,034, by Ed. Geistlich Söhne, A.G., für Chemische Industrie, Wolhusen, Switzerland.

For all goods (5)

BIVAN. 805,883, INGOMUN, 805,886, by C. H. Boehringer Sohn, Ingelheim on Rhine 22b. Germany. ACDRILE, 806,806, by Société Commerciale d'Applications Industrielles, Glarus, Switzerland, MEDECON, 810,729, by Delton, Ltd., London, W.I. For medicated salve, being a pharmaceutical pre-

paration for application to the gums (5)

GUMOKARE, B805,910, by Crane-Hall International. Washington 5, D.C., U.S.A.

For pharmaceutical preparations consisting of enzymes or derived from or containing enzymes

SANZYMF, 806,169, by Sankyo, K.K., Chuoku, Tokyo, Japan.

For insecticides, acaricides, fungicides, herbicides and bactericides (5)

PLANOCIDE, 806,467, by May & Baker, Ltd., Dagenham, Essex.

For all goods containing sulphur (5)
THIODRIL, 806,803, by Scai, Société Commercial d'Applications Industrielles, Glarus, Switzerland.

For pharmaceutical preparations and substances

for human and veterinary use (5) RAUMALGINE, 806,675, by Organon Laboratories, 1 id., London, W.C.2.

For stimulants (pharmaceutical) (5)

LEVOPULSE, 807,051, by Laboratoires Badrial, Paris 9e. France.

For pharmaceutical products (5)

LIBRINFON, LIBRINCOL. 807,916-17, by Organisation de Synthese Mondiale-Orsymonde, Paris Ite, France. PONALID, 808,677, by San-doz Products, Ltd., Horsforth, Leeds, Yorks. For all goods for use in the sterilisation and

treatment of the skin (5)

STERILOĐERM, 808,981, by Willows Francis, Ltd., Epsom, Surrey, and London, E.8.

For pharmaceutical preparations (5) Device, 809,380, by T. & H. Smith, Ltd., Edinburgh, 11.

For scientific and electrical apparatus and instruments; photographic, cinematographic and optical

apparatus and instruments, etc. (9)
Device with word SANYO, 794,338, by Sanyo Denki, K.K., Moriguchi, Osaka, Japan. For veterinary and sanitary substances, disinfec-

tants and preparations for killing weeds and destroying vermin (5)

Device, 810,814, 810,842, by Littlewoods Mail Order Stores, Ltd., Liverpool,

For hypodermic syringes and parts (10)

STELEX, 804,542, by Surdent Manufacturing Co., Ltd., London, N.17.

For electrically heated blankets (10)

Device with letters SNB and words LUXURY LIFE, 811,305, by S. N. Bridges & Co., Ltd., London, S.W.11.

photographs, photographic prints, prints, photographic albums, photographic drymounting apparatus, photograph stands, and wallets and containers, for holding photographs or photographic prints (16)

ANCOR, 803,610, by Ancor Colourprint Laboratories, Ltd., London, W., CI.

From the "Trade Marks Journal," February 22 For chemical preparations for use in lithographic photography (1)

PROLITH, B809,377, by May & Baker, Ltd., Dagenham, Essex.

For chemical substances for use in the manufacture of perfumes, perfumery products and soaps (I)

VERNOL, 812,182, by A. Boake, Roberts & Co., Ltd., London, E.15.

For chemical preparations for killing diseases in plants and stimulating growth; plant preserva-

N1RIT, 812,216, by Farbwerke Hoechst A.G. vormals Meister Lucius and Brüning, Frankfort on Main-Hoechst, Germany.

For cosmetics and non-medicated toilet preparations (3)

Device with word AVON, 795,494, 795,496, by Avon Products, Inc., New York, U.S.A.
For detergents for use in cleaning milking utensils

and apparatus (3)

CIRCLET, 801,826, by Delsanex, Ltd., Great Yarmouth, Norfolk.

non-medicated hair preparations containing sulphur (3)

THIOLON, B803,615, by Thilos, Ltd., Manehester, 2

For depilatory preparations (3)

SELV, B803,791, by D.D.D. Co., Ltd., Watford, Herts.

For all goods (3)

20 MULE TEAM, 809,043, by Borax Consolidated, Ltd., London, S.W.1. Device, 810,812, 810,840, by Littlewoods Mail Order Stores, Ltd., Liverpool, 1. DUEL, 812,927, by Icilma Co., Ltd., London, E.C.4.

For perfumed soap, perfumes, non-medicated toilet preparations, cosmetics, hair lotions and dentifrices (3)

Device with words EAU DE COLOGNE, GLAMOUR, BOURJOIS, 808,870, by Bourjois,

Ltd., Croydon, Surrey, For preparations for the treatment of the hair, and non-medicated toilet preparations for application to the skin (3)

809,266, TRESEMME. by Alberto-Culver Worldwide, Ltd., Nassau, Bahamas.

perfumes, wilet preparations, cosmetic preparations, dentifrices, depilatory preparations, toi-let articles (not included in other classes), sachets for use in waving the hair, and essential oils (3)

(IX, 809,367, by County Laboratories, Ltd. Brentford, Middlesex.

For perfumes, toilet preparations, cosmette pre parations, depilatory preparations, toilet article (not included in other classes), sachets for us waving the hair, soaps and essential oils (3 GLANCE, LANYARD, 813,827-28, by County

Laboratories, Ltd., Brentford. Middlesex. For perfumes; cosmetic preparations, not being creams or lotions; depilatory preparations, denti-

trices and toilet soaps (3)
COMPASS, 810,529, by County Laboratories Itd., Brentford, Middlesex.

hair lacquers, perfumes, non-medicated toile preparations, essential oils, cosmetics and hai. lotions (3)

PERSUASION, 812,344, by René Claro, Man chester, 2

For detergents being non-ionic (3)

MERGITAL, 812,895, by Sipon Products, Ltd. London, W.I.

For perfumes, toilet preparations (not medicated) cosmetic preparations, dentifrices, depilatory pre parations, toilet articles (not included in othe classes), sachets for use in waving the hair, soap. and essential oils (3)

RHAPSODY, SLIP STREAM, 813,032-33, by Cussons, Sons & Co., Ltd., Kersal, Manches ter. 7.

preparations for treating the hair (3)

PEDICLEX, 813,590, by Ansun Proprietaries Ltd., Newcastle, Staffs,

For preparations using peat as a carrying mediun tor repelling and killing insects and pests (5) JEYPEAT, 786,197, by Jeyes' Sanitary Com-

pounds Co., Ltd., Barking, Essex.
For pharmaceutical preparations and substances

in the form of lozenges, ampoules, pellets, capsules and tablets (5)
PRAGMAN, 799,737, by Chemische Werkt

Albert, Wiesbaden-Biebrick, Germany.

For pharmaceutical preparations in tablet form containing urea derivatives, for use in the treatment of epilepsy (5)

BENURIDE, 803,069, by Bengué & Co., Ltd. Alperton, Wembley, Middlesex.

For antibiotics, bacteriostats and disinfectants (5 MYACIDE, 803,487, by Boots Pure Drug Co. Ltd., Nottingham.

For pharmaceutical and veterinary preparation: and substances, all containing glucose (5) and beverages containing glucose (32) GLUCOZEST, B803,786, B803,788, by Glaxe

Laboratories, Ltd., Greenford, Middlesex,

For absorbent dressings in pad form, all for use in the treatment of skin injuries (5) STERI-PAD, 803,815, by Johnson & Johnson,

New Brunswick, New Jersey, U.S.A.
For pharmaceutical preparations and substances
for use in the treatment of migraine, and being

tor sale in the United Kingdom (5)

MIGRANEG, 805,191, by Winthrop Group, Ltd., Surbiton, Surrey. For herbicides (5)

DACTHAL, 805,262, by Diamond Alkali Co., Cleveland, Ohio, U.S.A.

For bandages, materials prepared for bandaging, medical and surgical plasters and dressings, all made of tulle (5)

SOFRA-TULLE, 806,438, by Les Laboratoires Français de Chimiothèrapie, S.A., Paris, 7e, France.

For laxative preparations (5)

M1CRALAX, 806,521, by A.B. Pharmacia, Uppsala, Sweden, For balms, being pharmaceutical preparations for

human use (5) RUBALM, B808,861, by Evans Medical, Ltd.,

Speke, Liverpool, 24.

For all goods (5)

20 MULE TEAM, 809,044, by Borax Consolidated, 1.td., London, S.W.1. PARAGESIC, 811,006, by Regent Laboratories, Ltd., London, Consolidation of the Consolida don, S.W.17. PARTYN, 812,844, by Parke, Davis & Co., Detroit 32, Michigan, U.S.A. DISTORACIL, and Hounslow, Middlesex, 813,681, by Distillers Co. (Biochemicals), Ltd., Speke, Liverpool, 24.

For preparations for killing weeds and destroying vermin: insecticides (5)

LEVACID, 809,700, by Farbenfabriken Bayer, A.G., Leverkusen 22c, Germany.



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PARCEL B

1 dozen 60's

4 dozen 120's

PARCEL C

5 dozen 60's

2 dozen 120's

OR EQUIVALENT

NETTS YOU

RETAIL VALUE 33'-

ARCEL D

dozen 60's

dozen 120's

PARCEL E

1 dozen 60's

2 dozen 120's

5 dozen 60's

PARCEL F

OR EQUIVALENT

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XTRA! BREWERS YEAST FLAKES—

XTRA! 13 sent for every 12

EXTRA! ALL PARCELS LESS 10% DISCOUNT

EXTRA! when part of £10 Rexall order

shows you profit 46% on retail 85% on cost!

REXALL DRUG CO. LTD., LOUGHBOROUGH, ENGLAND



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NEW SPRING BONUS

THREE
FREE WITH
EVERY DOZEN!

(Bonus Tax Free)

POST-BUDGET DELIVERY!

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PLUS 10%

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ON EVERY
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(STAG PRODUCTS
MAY ALSO BE INCLUDED)



IMPROVED TURN TAN - SUNSCREEN ADDED - 15/- RETAIL

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55% profit on retail, 122% profit on cost



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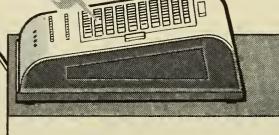
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MORE EFFICIENT THAN EVER
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Rodine Phosphorus, Rodine Red Squill, Rodine Warfarin (Ready-to-use or Concentrate), and Special Rodine Mouse Warfarin. THOMAS HARLEY LTD., RODINE WORKS, PERTH. SCOTLAND

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For the Control of Blood Cholesterol levels

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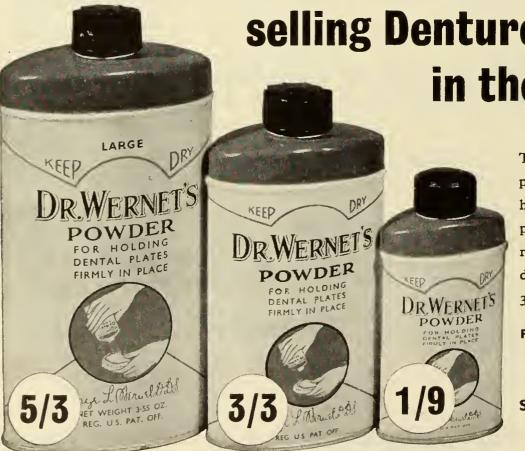
High Wycombe, Bucks. Telephone: High Wycombe 4612

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The biggest advertising campaign ever for Dr. Wernet's has just commenced. For profit's sake keep your stocks ready to meet the increasing demand. In three sizes 1/9, 3/3 and economy size 5/3.

Please order through your usual wholesaler.

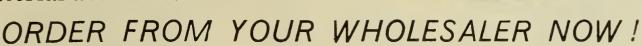
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STAFFORD-MILLER LTD
Hatfield, Herts.

now is the time to stock up with



Made from the finest blackcurrants and pure cane sugar, 'Niagara' rich in Vitamin C-is the ideal health drink for both young and old. Make sure you have ample supplies, because 'Niagara' has 'year round' appeal. Display material available.





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'Chemist's Own Pack'
for profitable
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Write to us for a free copy with samples of "A Brief Case in support of a better service for the pharmacist."

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Now being widely prescribed for PSORIASIS

A full scale campaign to the medical profession is now taking place, and never a day goes by without gratifying results of what Alphosyl

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Order from your usual whole-saler please.

ALPHOSYL

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irregularity and lassitude. Over 1/9 BOX PROFIT by ordering 1 dozen 6/3 size. Bonus given on every dozen (13).

C. & G.KEARSLEY LTD.
71 DARTMOUTH ROAD, LONDON, S.E.23

FW:



L'Oreal · Paris launch a new revolutionary shampoo-type hair colouring for concealing GREY HAIRS Over 13,000,000 women

Color-Match

trade mark

an absolutely harmless liquid colouring as easy to use as successful **Color-Glo**

Here is the first advertisement (Approx. \frac{1}{3} \text{ actual size)

COLOR-MATCH colours grey hairs to match the rest of the hair—without changing its natural basic colour. It appeals to an entirely new market. It can double your hair colouring sales.

There are some eleven million women in the country with grey hairs in their head. The vast majority do not like them, and would jump at the opportunity of concealing them, if they could be assured of doing it easily, quickly, harmlessly and without changing the natural basic colour of their hair. COLOR-MATCH does all this.

color-match has overcome all the obstacles that have so far retarded the market for colourings to conceal grey hair. It needs no skin test, is as simple to use as a shampoo, is semi-permanent, lasts through 6-8 shampoos, and leaves the hair in beautiful condition.



A self-lathering liquid, it colours the grey hairs to match the natural hair colour, without changing the basic shade of the hair. If the hair is dark brown it stays dark brown, if it is light brown it stays light brown, except that the grey hairs will have been coloured to match the shade of the rest of the hair.

color-Match is certain to create an entirely new hair colouring market, from which you will earn big new profits. It has behind it the same brilliant research, the same marketing insight and sales know-how that have made Color-Glo the most successful and biggest-selling hair colouring in the country.

Made in six beautiful shades of brown

Dark Brown
Dark Warm Brown
Mid-Brown
Mid-Warm Brown
Light Brown
Light Golden Brown

Retail Price 5/6d per bottle. Trade Price 33/-d per doz. Purchase Tax at 50%—16/6d per doz. Retail Profit Margin 16/6d per doz. Over 13,000,000 women
to see this
COLOR-MATCH advertising
now appearing in
WOMAN WOMAN'S OWN
EVERYWOMAN WOMAN & BEAUTY
MODERN WOMAN
SUNDAY EXPRESS

Make sure you have a complete range of Color-Match shades to meet the immens demand.

Keep that Youthful Look in Your Hair with

natural-as-natural Color-Match



Naturally colours-in those Stray Grey Hairs without changing your own colour

THIS IS FOR YOU, the lively beauty-conscious woman of today, who has zest and enthusiasm for life, and who wants to keep her look as young as her recognitive.

COLOR-MATCH IS a wonderful new product by L'Oreal of Paris—as quick and pleasant to use as a shampoo. It naturally colours-in those stray grey hairs, whether they are few or many, so they blend invisibly into the natural colour of your hair, without changing your personal hair colouring.

COLON-MATCH IS not a hair dye, but something entirely new and different, which actually adjusts its colour to suit your own individual hair colouring If you have light medium brown you stay medium brown, it you are dark brown you stay dark brown to but, what were grey hairs will now match in perfectly withhe colour of the restof yourhair.

COLOA-MATCH won't rub off on pillows, hats or clothes, and is unaffected by rain or bathing. The effects last through 6-8 shampoos, so should you not want to go on using Coloa-MATCH, its effects will fade pleasantly and naturally leaving your hair as it was before

An absolutely natural result

Your closest frend will not know you have used COLOR-MATCH—SO natural are the suits. And COLOR-MATCH is completely harm less. Indeed, it is actually good for your hai improving its condition, giving it shine an softness and making it wonderfully easy it manage. COLOR-MATCH does not in any wa affect normannel waving.



Cotor-Match is so simple to use. You just lather it on like a shampoo, leave 15 minutes, and rinse off.

your grey hairs with color-march, it is so safe and easy to use, that if you can shampoo your hair you can use color-march. And Color-march results never vary—always you will get that natural-as-natural look, and perfect matching-in of few or many grey hairs.

Choose the shade nearest your own hair colour. If in doubt, choose one shade lighter than your natural colour.

DARK BROWN OARK WARM RROWN

DARK BROWN
MIO-BROWN
LIGHT BROWN
LIGHT GOLDEN BROWN

Color-Match

"Matches-in" those stray grey hairs

5/6 per bottle

Effects lest through 6-8 shempoos 5/6 per bottle

INTRODUCING THE BEST AND LATEST BATTERY SHAVER





Usual trade terms, showcards and descriptive folders in full colour for counter distribution.

5810 INCLUDING PURCHASE TAX

The Swift shaver is better made because...

- It has a super silent motor which runs faster and takes less current; the battery lasts longer.
- 2 It shaves both long and short hairs; no separate head required.
- **3** 4 cutting blades, with 221 slots and 102 perforations provide the staggering performance of $7\frac{1}{2}$ million cuts per minute. Superbly finished and beautifully designed in contemporary colours it will steal the show for 1961.

	Tear along	g this Line ———————	
Please fill in this coupon	and let us send you a sample on a	approval so that you may judge for yourself	f .
	Please dispatch sample be credited in full if returned by	Swift Battery Shavers complete with pour us within 14 days.	ouch on approval.
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ADDRESS			
Sole Distributors	: HAYNOR LTD., 167	GREYHOUND ROAD, LON	NDON, W.6

Solprin · Codis · Cafdis





Make 1961 with doubled advertising commercial almost ever weeknigh on all stations throughout March

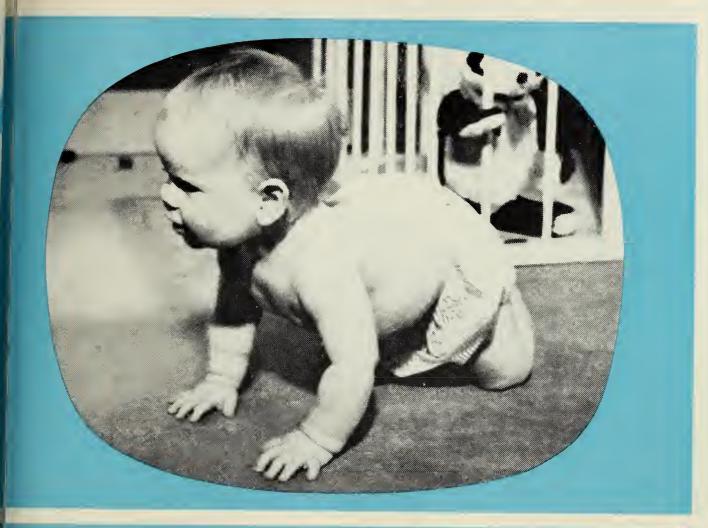
BIG ADVERTISEMENTS
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Compelling spaces in:

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Parents
Nursing Mirror
Mother
Family Doctor
You and Your Baby

Make 1961







On the left a valuable Wedgwood copy of the famous Portland Vase. On the right the unique original, now in the British Museum.

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in the local treatment of mouth and throat infections because they have been specially formulated to overcome the disadvantages of many conventional antiseptic lozenges. Strepsils do not have the sensitizing potential of preparations containing antibiotics and/or local anæsthetics. Perfectly safe for both adults and children, Strepsils combine rapid bactericidal action against most of the common pathogens found in the mouth with a prolonged and soothing effect. Unique-formula Strepsils are packed in vacuum-sealed tins to reach your patients laboratory-fresh.

Boots.

Each lozenge contains 1.2 mg. of Dybenal and 0.6 mg. of Amyl-meta-cresol. Retail price: 2/3d. per tin of 24 lozenges.

Available from your usual wholesaler or Wholesale Division of

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With such smart new merchandisers doing the selling for you, you can always add an "impulse" comb sale to other buys at overaverage profit, even more profit each time you top up with Barnet refills. Easy. And remember, combs sell all the year round. There are eleven elegant Barnet cabinets to choose from to suit you best. Get your 1961 cabinets now by ordering from your wholesaler.









REFILL YOUR CABINET AGAIN AND AGAIN WITH BARNET COMBS FOR UP TO 72% PROFIT MARK-UP!



A little bit of counter sells a lot of

BARNET COMBS

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THE STRONGEST SALES STORY SINCE



PHILIPS PHILISHAVE

with the unique Floating Heads

Yes, the *new* 'Philishave' is here—and in the whole wide world there's no other shaver to compare with it! For it's the only shaver with self-adjusting Floating Heads. And those unique Floating Heads, adjusting themselves automatically to every contour of the face, every type of bristle-growth, introduce the entirely new experience of 'Personal Touch' shaving . . . shaving exactly matched to the face of each individual user.

VARIABLE PRESSURE, TOO

What's more, the pressure between the skin-guards and the blades can be varied at will, so that the new 'Philishave' offers by far the closest shave ever achieved by an electric shaver.

GREATEST PRECISION EVER KNOWN

In the new 'Philishave's' Floating Heads you have an exclusive sales feature clearly visible, easily demonstrated. You have a tremendous sales story—nothing less than shaving of the greatest accuracy and precision ever known. And you have the shaver that is bound to be the top-seller of all time.

DUAL-VOLT AC/DC

£8.8.0

-for 'Personal Touch' shaving

FIRST BEGAN TO SHAVE MAN

Special introductory offer to the trade

HERE'S A BIG NEW-FOR-OLD OFFER

The new Floating Head Shaver retails at only £8.8.0. So those previous Jet Dual and Standard-volt Models, at £8.9.9 and £7.7.0 respectively, will be outsold from the start. But you won't be left with old stocks.

We will give

Your usual wholesaler will allow full trade credit on every Dual or Standard-volt 'Philishave' Jet returned to him—provided that for each Jet shaver returned you order TWO New Floating Head Shavers

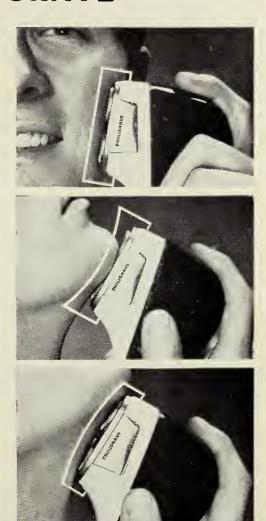
You will gain

You'd be ordering the new shaver anyway. This way your complete stock is brought right up to date—and you clear your old stocks into the bargain!

Offer only open Monday 6th March to Wednesday 31st May

So don't delay. Act now. Clear the way to new profits, with the only shaver in the world with self-adjusting Floating Heads!

March 6—May 31

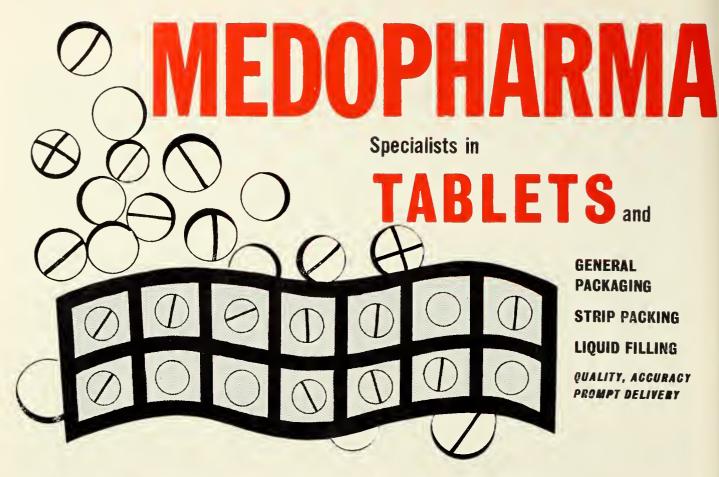


In response to the slightest pressure, the Floating Heads of the new 'Philishave' move independently up and down-or tilt in any direction. Completely self-adjusting, they thus achieve for the first time ever the superlative comfort and closeness of individual, 'Personal Touch' shaving.

Get in on the ground floor... STOCK IT ... DISPLAY IT ... DEMONSTRATE IT... NOW!

PRODUCT OF **ELECTRICAL** PHILIPS

LTD



MEDOPHARMA LTD, MANUFACTURING CHEMISTS, 158-162, TOOTING HIGH STREET, LONDON, S.W.17. TEL. BAL 2712



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- * WANTED by every woman in the country who uses nail varnish,
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INSTANT NAIL DRY is quick and easy—a touch of the Aerosol button is all that is needed.

Available NOW, in Handy Aerosol packs, cost price 6/3, plus $3/1\frac{1}{2}d$ P.T., to retail at 12/6d. direct from

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STANDARD ELASTIC NET STOCKINGS (LASTONET)

These cool, firm, comforting elastic net stockings are made to measure, providing maximum support for Varicose Veins.

LIGHTWEIGHT ELASTIC NET STOCKINGS (LASTOSHEER)

The very latest, finest, lightweight nylon elastic net stockings for customers whose leg condition does not warrant the standard elastic net stockings.

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STANDARD YARN STOCKINGS (LASTOYARN)

Standard elastic yarn, cotton or nylon stockings are made of the finest elastic yarn with Nylon Helanca Tops and Heels for comfort and long wear. Lastoyarn are in standard sizes or made to measure.

LIGHTWEIGHT YARN STOCKINGS (LASTOFINE)

The lightweight elastic yarn stockings for the customer whose leg condition does not warrant the standard stocking. Lastofine are in foot sizes,

LASTONET PRODUCTS LTD · CARN-BREA · REDRUTH · CORNWALL



Fob Convertible 390/0 Retail from 38/- these are
but a few of
the Stratton compacts
to be advertised
strongly
in the leading
newspapers and magazines
this year

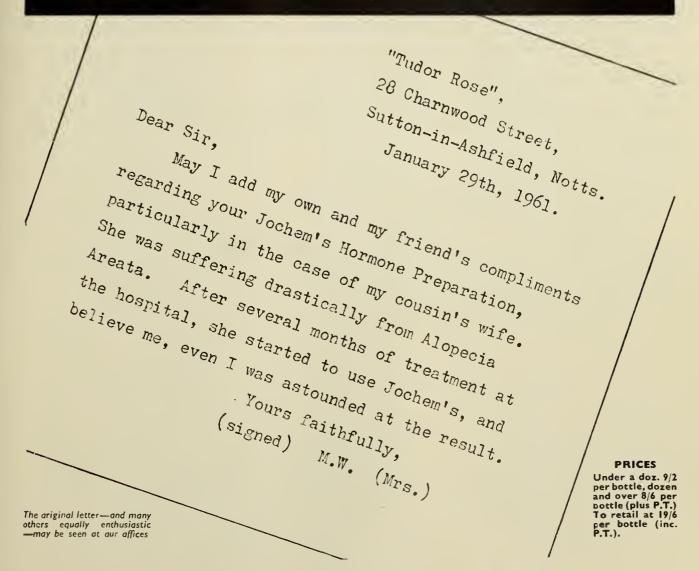
PREPARE TO MEET THE DEMAND!

order from your usual wholesaler NOW!

compacts by tratton

LAUGHTON & SONS LIMITED, BIRMINGHAM, 14.

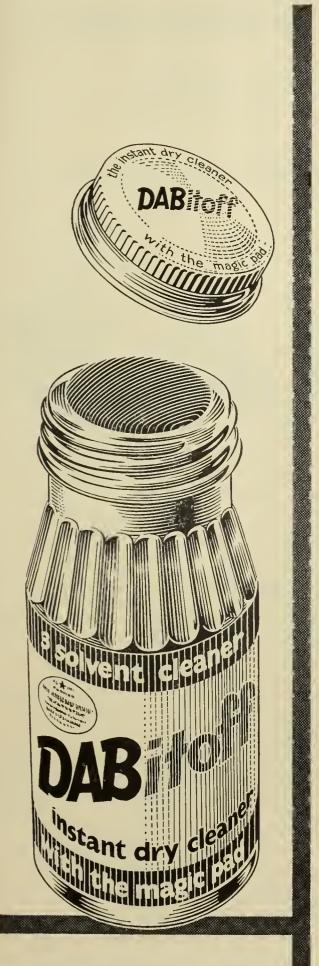
REMEDY FOR AL STOUND



Here's another entirely unsolicited testimonial. Further proof that you can recommend Jochem's with complete confidence. The incredible record of success that this Dutch hair preparation has in revitalizing hair and stimulating new growth make it one of your most profitable lines. Contact your wholesaler, or write or telephone direct for further details.

ochem's Wonderful Dutch HAIR PREPARATION





depend on DABITOFF

the quick-acting, fast-selling, dry cleaner

Dabitoff, the famous dry-cleaner with the magic pad, is a trusted stand-by in millions of homes. This year you can expect even bigger Dabitoff sales, stimulated by hard-hitting advertisements in the national press and an extended list of leading women's magazines.

MAKE SURE YOUR DABITOFF STOCKS ARE ADEQUATE

Order them now from:
Fassett & Johnson Ltd.
86 Clerkenwell Road, London, E.C.1



There's still time to cash in on the Halexciting Bonus Offer (closing March 31st) on Toothbrushes and Combs

HALEXPANSIVE TOOTHBRUSH OFFER



When you order 6 dozen Halex toothbrushes, you get 14 to the dozen.

When you order (
12 dozen, you get 15 to the dozen.



HALEXTRAVAGANT COMB OFFER



When you order 6 dozen Halex combs, you get 13 to the dozen.

When you order
12 dozen,
you get 14 to
the dozen.



HALEX also offer you FREE

Attractive dispensers designed for easy serving, maximum sales



A636 Dispenser holding 3 dozen Assorted Nylon toothbrushes (including the new Multi-tuft!).

A629 Appealing "Noddy" dispenser containing one dozen nylon and one dozen bristle toothbrushes.





HALEX

A645 Attractive 'roundabout' dispenser. It carries as many as 6 dozen assorted toothbrushes and 6 dozen new Imprene combs, yet it takes up very little counter space. Wide range of prices.

The Halexplosive advertising campaign starts this Spring!

Really intensive advertising starts in the Spring! Gay and compelling advertisements will be appearing in all the leading women's magazines. They'll be seen by literally millions of readers. So be prepared to meet the Halexplosion!

ORDER QUICKLY FROM YOUR USUAL WHOLESALER



Easter bonnets... new Spring clothes
... and Summer around the corner!
A time for many people to face up to
their figures again. A time for you to step up your
'SAXIN' sales to more and more Summer Slimmers.
Here's a wonderful opportunity for you to stock,
display and sell *more* 'SAXIN'.

SAXIN' ADVERTISING RIGHT THROUGH SPRING AND SUMMER

'SAXIN' advertisements are now appearing regularly in Daily Express, Daily Mail, Daily Mirror, Daily Telegraph, Woman, Woman's Own, Woman's Mirror, Belfast Evening Telegraph, Edinburgh Evening News, Glasgow Daily Record. Soon there will also be *intensive advertising on all* TV stations. All helping you to sell more 'SAXIN'.



BURROUGHS WELLCOME & CO. (THE WELLCOME FOUNDATION LTD.) LONDON

SAXIN due

every woman

wants to know... so we're telling her...

Women are eager, anxious to know more about internal protection.

Some have only heard rumours about it...hints, whispers. What's it all about? We tell her. Our new advertising campaign, written in close consultation with a woman psychologist, is calculated to allay a woman's doubts, answer all her questions plainly, without embarrassment.

Some women know about internal protection...but they're not quite happy about it. Again we explain — simply, as a friend—we explain about Lil-lets, their reliability, their comfort and how much easier they are to use.

It's facts all the way — facts she's glad to hear, to read in detail. Facts every woman will welcome as the healthy approach to her personal problems. Facts that tell her over and over again about Lil-lets.

every woman

wants to try...so we're selling her...

We believe once a woman tries Lil-lets — she's converted. Converted to internal protection at its simplest, easiest — converted to Lil-lets for good!

These compelling new advertisements will do just that: persuade her to take that vital step. And persuade her again and again in half pages in all her favourite magazines: half pages always next to her editorial reading. Our campaign gives extensive coverage of such magazines as Woman, Woman's Mirror, Vanity Fair — a total readership of over four million 16-34 year old women! Attractive display and point-of-sale material follows up this interest at once. With the mood right, and the readership right — then the time's right, too, to expect a great new selling boost for LIL-LETS!

Delete

CUMULATIVE LIST OF AMENDMENTS TO THE C.&D. Quarterly Price List MARCH I

	Achromycin (746 Lederle)							
	capsules 50 mgm 25	9	6ea			14 53		$\frac{TS}{TS}$
	250 mgm 16	$\frac{35}{25}$	8ea 6ea			38		TS
	100	153	4ea			230	0	TS
	for sangalution	1480	6ea		2	2220	9	TS
	for ear solution powder vial 50 mgm	6	0ea			9	0	TS
	powder vial 50 mgm diluent vial 10 mils					_	-	
	for oral suspension 1.5 gin	0	Con			14	3	TS
	intramuscular vial 100 mgm	9 4	6ea 6ea			6		$\overset{1}{\mathrm{TS}}$
	intravenous vial 100 mgm	4	2ea			6	3	TS
	250 mgm	8	6ca 4ea			12 23	9	
	ointment 3% $\frac{500 \text{ mgm}}{120 \text{ oz}}$	15 4	0ea			6	ŏ	$\overset{1}{ ext{TS}}$
	1 oz	7	2ea			10	9 '	TS
	ophthalmic ointment 1% 6	6	0ea 10ea			9	3	$^{ m TS}_{ m TS}$
	oil suspension 1% 6 mils	1	Sea			2	6	
	pediatric drops 10 mils	6	6ea			9		TS
	powder sterilised vial oil suspension 1% 6 mils pediatric drops soluble tablets 100 syrup 2 oz 16 oz	$\frac{35}{9}$	8ea 6ea			53 14		$^{ m TS}_{ m TS}$
		68	8ea			103	0 '	TS
	tablets 50 mgm 25	9	6ea			14		TS
	250 mgm 16	$\frac{35}{25}$	8ea 6ea			53 38		$^{\mathrm{TS}}_{\mathrm{TS}}$
	100	153	4ea			230	0 '	TS
	1000	1480	6ea			220		$^{\mathrm{TS}}_{\mathrm{TS}}$
	troches 15 mgm 25	3	Sea		• •	5	6 '	19
	Achromycin V (746 Lederle) capsules 50 mgm 25	9	6ea			14	3 '	TS
	100	35	8ea			53	6 '	TS
	250 mgm 16	25	6ea 4ea			38 230	3 '	TS
	100 1000	$\frac{153}{1480}$	6ea			220		$\overset{1}{\mathrm{TS}}$
	pediatric drops 10 mils	6	6ea			9	9 '	TS
	syrup 2 oz 16 oz	9	6ea 8ea			14		$^{ m TS}_{ m TS}$
	Albion (339 CG)	68	oea			103	U	19
	cotton wool 1 oz	5	$5 \dots$					
	2 oz 4 oz	8 14	8					
	8 oz	$\frac{14}{25}$	5					
	16 oz	3	10‡ea					
	Ambramycin (70 Aspro) capsules 250 mgm 16	25	6ea					TS
	60	92	Реа					TS
	suspension 2.5% 60 mils	372 9	6ea		• •			$^{\mathrm{TS}}_{\mathrm{TS}}$
	suspension 2.5% 60 mils Andre Philippe (48 AP)	9	6 3a					10
	spray lacquer aerosol	29	0	14	6	4	9	
	Aspellin (1023 Radiol)							
	aspirin liniment dp 16 oz		0			16	6	
	dp 80 oz Aureomycin (746 Lederle)	600	0			75	0	
	capsules 50 mgm 25	9	6ea			14		TS
	250 mgm 16	$\frac{35}{25}$	8ea 6ea		* *	53 38		$^{ m TS}_{ m TS}$
	250 mgm 16 100	153	4ea			230		$\overline{\text{TS}}$
	1000	1480	6ea			220		TS
	ear solution 50 mgm vial ointment 3% ½ oz	6 4	0ea 0ea			6	0	$^{ m TS}_{ m TS}$
	1 oz	7	2ea			10	9 '	TS
	ophthalmic 1% $6 \times \frac{1}{8}$ oz sterilised vial	$\frac{6}{4}$	0ea 10ea			9		$_{ m TS}^{ m TS}$
	soluble tablets 50 mgm 100	35	8ea	•		53		TS
	syrup 4 oz	19	0ea			28	9 '	TS
	troclies 25	68	Sea Sea		• •	103	6	${f TS}$
	Ayrton (78 AS&Co)	ð	Oca					
	fairyspun leg tan	14	0	7	0	2	9	
	Breck (1169 GS&S)	7	0	1	0	4	0	
e	shampoo sachet Cirotyl (938 PD) all sizes	7	0	1	9	1	0	
	Cirotyl (938 PD)							
	suspension 4 oz 80 oz	$\frac{34}{36}$	0 0ea	- 8 9	- 6 - 0ea	63	111	
	Colgate (280 CP)	90	oca	2,5	oea	03	J	
	dental cream	21	6	5	4	2	10	
	Cussons (338 Cussons)							
	lnxury soaps "Four Diamonds" 2084	19	0	4	71	2	6	
	"Hungarian Rhapsody"							
	2160	23	0	5	71	3	0	

	"Rhapsody in Bla	ack"							
	ithapsody in Die	2164	23	0	5	71	2	0	
	"Rhapsody in Blu		23	0	5 5	7½ 7½	3	0	
	Dalmas (347 Dalmas)								
	elastic first aid dress	sings	8	6			- 1	0	
	eabinets	No. 1		0ea			11	3	
	carmers	No. 2	9	0ea			-11	~~	
		No. 3	8 8 7	3ea			10	3 0	
		refills	6	3ea			8	ă	
	surgery cabinet	No. 135	9	3ea			13	9	
	waterproof strip dre		9	oca			13	۰	
	1½ in ×1 yd	ssings	20	0			2	4	
	$\begin{array}{c} 1 & \text{in} \times 1 \text{ yd} \\ 2 & \text{in} \times 1 \text{ yd} \end{array}$		24	3			2	10	
	$2\frac{10}{2}$ in $\times 1$ yd		27	9			3	3	
	$\frac{2\sqrt{n} \times 1}{3 \text{ in} \times 1} \text{ yd}$		32	3		• •	3	9	
	elastic strip dressing		34	o		• •	3	9	
			20	0			2	4	
	$1\frac{1}{2}$ in $\times 1$ yd	• •	$\frac{20}{24}$	3		• •	2	10	
	2 in × 1 yd	• •	$\frac{24}{27}$	9		• •		10	
	$2\frac{1}{2}$ in $\times 1$ yd		32	3		• •	3	3	
	$3 \text{ in } \times 1 \text{ yd}$		32	9		٠.	3	9	
	Dibexin (938 PD) caps	ules							
Delete	packs of 25								
	Embazin (971 PSMB)	2oz	30	0			3	9	p1:
	(0.2,	10oz	112	0			14		pl:
		20oz	208	0			26		n1:
		80oz	800	0			100	0	n1:
	Emplets (938 PD)			_					•
Delete	thyroid ovarian pack	s of 500							
	Gem (365 Demuth)								
			18	10	4	$S^{\frac{1}{2}}$	2	9	
	dry shampoo Gevral (746 Lederle)	1.1	10	10	-1	0.5	-	3	
	capsules	30	11	4ea	9	10ea	19	10	
	capsules	30	11	Tea	_	Toca		. 0	

THIS WEEK'S CHANGES AT END OF LIST

					^	
Hematest (843 ML)						
tablets	50	90	0		. 11	3
Johnsons (672 Johnson						_
baby napkins 26 ×		20	6		27	0
Kleinerts (706 Kleiner						
Viking swim caps	(61)					
Pompadour	2021	383	0	19 2	2 49	6
•		909	O	10 1	.2 40	· ·
Ledermycin (746 Lede		0.5	0		20	9 (11)
capsules 150 mgm	16	25	6ea	• •		3 TS
	100	153	4ea			0 TS 9 TS
1	1000	1480	6ea			9 TS
drops	10 mils	6	6ea	• •		3 TS
syrup	. 2 oz 16 oz	9	6ea 8ea		400	0 TS
		68		1.4		
LiquiSprayer R (766]	Liquinure)	33	0ea	1 4	49	6
Madribon (1074 Roch	e)					
syrup	50 mils	76	0		. 9	6 †s4B
	500 mils	52	8ea			0 †s4B
Majeptil (971 PSMB)						•
tablets 1 mgm	50	90	0	22 6	13	1½p1s4B
<u> </u>	250	360	0	90 (6 p1s4B
5 mgm	50	260	0	65 (11 p1s4B
	250	186	8ea	21 8	ea 151	8 p1s4B
Margo's (798 Margolis	5)					
baby powder		8	0	-2 (3
		12	6		1/2 2	0
hand cream		6	6	3 3		3
hair lacquer aeroso	ł	27	6	13 (11
spray bottle		11	0	5 6		0
refill sachet		3	6	1 9		0
petroleum jelly		9	0			0
	0.5	18	0	- ::		0
razor blades blue	25	31	8	7 11	•	6
1		(100	.10)	(1000))	
shampoo	le o é	21	0	5 9	,	4
egg & lanolin sac	net		0	5 3		4
twin nools and	not.	gro 41	0	gross 10 3		7
twin pack sacl	IC t	gro		gross		•
bottle	. 4 oz	910	0	2 3		6
DOLLIE	. 4 02	3,9	0	- 0	•	•

the original half-volume, ideally balanced, TRIPLE ANTIGEN

- * DIPHTHERIA
- * TETANUS
- * WHOOPING COUGH





BURROUGHS WELLCOME & CO. (The Wellcome Foundation Ltd.) LONDON

-								
	medicated twin pack sachet	41 gro		10 3 gross		7		oral suspension 1.5 gm 9 6ea $$ 14 3 TS paediatric drops 1 gm 6 6ea $$ 9 9 soluble tablets 50 mgm 25 10 3ea $$ 15 $4\frac{1}{2}$ TS
	bottle 4 oz taleum powder	9		2 3	1	6		syrup 125 mgm/5 mils 9 6ea 14 3 TS
	bouquet of flowers, honeysuckle, lily of the							tablets 50 mgm 25 9 6ea 14 3 TS 100 35 8ea 53 6 TS
	valley, rose lavender	$\frac{16}{7}$	$\frac{8}{2}$	$\begin{array}{ccc} 8 & 4 \\ 3 & 7 \end{array}$		11 6		100 mgm 25 18 $9ea$ 28 11 TS 100 70 $10ea$ 106 3 TS
	tonic hair cream sachet	$\frac{16}{1}$	8	$\frac{8}{10}$	2	11		250 mgm 16 25 6ea 38 3 TS 100 153 4ea 230 0 TS
	large giant	$\frac{7}{12}$	$\frac{2}{6}$	$\begin{array}{ccc} 3 & 7 \\ 6 & 3 \end{array}$				1000 1480 6ea 2220 9 TS topical powder 3% 1 oz 8 0ea 12 0 TS
	Modess (672 Johnsons) sanitary towels							troches 15 mgm 24 3 8ea 5 6 TS vaginal tablets 100 mgm 10 10 1ea 15 1½ TS
	cotton wool size 1 12 size 2 12	$\frac{19}{23}$	3		2			
	Mysteclin F (1176 Squibb) for syrup . 60 mils	10 7	7ea			11 0	TS TS	S.F. capsules 16 26 6ea 39 9 TS
	for paediatrie drops 10 mils Mysteclin V (1176 Squibb) capsules 12	20	4ea 9ea	• •	31		TS	100 159 2ea 238 9 TS 1000 1537 0ea 2305 6 TS Virugon (97 Bayer)
	100 500	166 780	3ea 0ea		249	5	TS TS	tablets 48 10 Sea 2 Sea 18 8 † 500 105 Sea 26 5ea 184 11 †
	Navidrex (262 CIBA) tablets 25	48	0			0	10	Yestos (422 EGC) irradiated puppy powder
	100 500	$\frac{180}{72}$	0 6ea		22			8 oz 38 0 4 0 veterinary yeast tablets 100 12 0 1 6
	Numorphan (179 BDH) Snapules 1·1 mil 6	90	0				DD	1000 77 0 8 6 2500 15 0ea 20 0
	Occultest (843 ML)	288	0				DD	Yestos E (422 EGC) veterinary yeast tablets 75 32 0 4 0
	tablets 50 Persantin (154 B)	90	0					250 80 0 10 0 1000 25 0ea 37 6
	ampoules 10 mgm 5 25 tablets 25 mgm 30	$\frac{6}{24}$	6ea 6ea 6ea	6 1	7 § ea 11 1 § ea 42 1 § ea 16	10 §		AMENDMENTS TO KEY TO SUPPLIERS:
	Portyn (938 PD)	57			Bea 99			(766 Liquinure) = LIQUINURE SALES, LTD., 19 Duke Street, London, W.1.
	Kapseals 30 250	$\frac{80}{51}$	0 8ea	$\frac{20}{12} \frac{0}{11}$	11 lea 90			(973 Pharmethicals) = PHARMETHICALS (LONDON), LTD., Victoria Way, Burgess Hill, Sussex. Burgess Hill 2737.
	Primes (1277 VI)		6	1 10				(1276 Vibac) = VIBAC LABORATORIES, LTD., 90 High Street, Bovingdon, Herts. Bovingdon 3289.
	carton	18 20	10		2½ 2	9		THIS WEEK'S CHANGES
	Primogyn Depot (1107 SAGB) 100 mgm ampoules 3	36 52	0 0ea	9 (70		p1s4B	NEW and altered entries notified for the first time.
	Robinade (285 Colman) sachet	$\frac{270}{9}$	0ea 4gros		411		p1s4B	A = Advanced, $R = Reduced$. Entries new this week are marked thus: $- \bullet$
Delete								Abdine (821 McGlashan)
	Sanilav (671 Jeyes) plastic pack	24	8		. 2	9		A powders single 32 0 8 0 4½ gross gross Aludrox (1352 Wyeth)
Delete	Scherk (128 Biometica) 7102 Skefron (1153 SKF)	100	0	25 (14	7		R tablets compound 560 306 9 34 1 Anestan (690 Keldon)
	Sparine (1352 Wyeth) Latabs 20	64	0		_		p1s4B	Delete Asmac (1303 Wander) all sizes Asmac (1303 Wander)
	Suba-Seal (479 WF) 250					8	p1s4B	tablets
	feeding bottle, polythene				. 1	3		Aviosulfon (649 ICI) tablets 0-05 gm1000 117 0 14 7½
	Sunnybisk (535 Granose) small		1	• •	. 1	6 11		R Beplete (1352 Wyeth) elixir 4 oz 42 9 4 9 †sls4A 40 oz 291 0 32 4 †sls4A
	Swift (581 Haynor) battery shaver		3ea	8 10	Dea 58			tablets
	Tattoo (451 F&J) spiral brush-on maseara	45		22 (6		R elixir 40 oz 268 0 29 10 Billorat (8 Actina)
	Tetracyn (969 Pfizer) capsules 50 mgm 100	35	Sea		. 53		$\mathbf{T}\mathbf{S}$	tripod Stabilo gray 1125/3 68 8ea 16 9ea 119 9 Biotergic (972 Pharmax)
	250 mgm 16 100	153	6ca 4ea		. 38 . 230 . 2220	0	TS	detergent . 2 kilo 28 0ea Bob Martin (143 BM) show ring shampoo 19 1 4 9¼ 2 6
	intramuscular injection 100 mgm vial		6ea 6ea				TS TS	Bright Future (631 Hudnut) hair lightener 48 3 24 1½ 7 6
	intravenous injection 250 mgm vial		6ea			-	TS	Brovon (859 Moore) pressurised refill 121 9 14 6 p1
	500 mgm vial oral suspension 1.5 gm	15	4ea 6ca		. 23	0	$_{ m TS}^{ m TS}$	• Colorific (631 Hudnut) colour rinse 23 6 11 9 3 11
	paediatric drops 1 gm tablets 50 mgm 25	9	6ea 6ea		. 9 . 14		$\frac{TS}{TS}$	Cuckoo (453 Fecher) Donnazyme (1071 Robins) tablets
	100 mgm 25	18	Sea 9ea		. 28	1 1	TS TS	tablets
	250 mgm 16 100	25	10ea 6ea 4ea		. 106 . 38 . 230	3	TS TS TS	Delete gel 8 oz and 80 oz E.D.P. (436 Evans)
	1000 topical ointment 3% ½ oz	1480	6ea 0ea		. 2220	9	TS	R small 17 0 4 3 2 6 Ephazone (690 Keldon)
	Tetracyn-P (969 Pfizer)	7				9		Ethobral (1352 Wyeth) R tablets
		153			. 230	0	TS TS	A blue label BPC 2 oz $\frac{7}{7}$ $\frac{8}{8}$ ID $\frac{1}{9}$
	Tetracyn-S.F. (969 Pfizer)	1480			. 2220 . 39		TS TS	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
	capsules 16 100 1000	159	6ea 2ea 0ca		. 238 . 2305	9	TS TS	1 pink label NHS No. 3 $\frac{2}{4}$ oz $\frac{6}{5}$ $\frac{11}{64}$ lb $\frac{1}{10}$ 0 $\frac{0}{10}$
	Terramycin (969 Pfizer) capsules 50 mgm 100	35	Sca		. 53	6	TS	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
	250 mgm 16 100	$\frac{25}{153}$	6ea 4ea		. 38 . 230	0	TS TS	1 yellow label 2 oz 9 4 lb 1 7 4 oz 8 9 lb 2 11 8 oz 8 4 1 b 5 7
	intramuscular injection	1480			. 2220 . 6		TS TS	1 16 oz 8 1½ ea 10 10
	100 mgm vial intravenous injection 250 mgm vial		6ea 6ea		4.0	_	TS	kidney remedy 12 0 3 0 2 0 4 Lion (995 Potter's)
	500 mgm vial nasal solution 5 mils	15	4ca 1ca		. 23	0	TS TS	cleansing herbs 12 0 3 0 2 0 Loxene (563 Hampshire)
	ophthalmic solution 25 mgm 5 mils		4ea		_	_	TS	$\begin{array}{cccccccccccccccccccccccccccccccccccc$

	No. 1 (200 6)					4 = -1 (250 (0.3)
Dolote	Macleans (303 County)					A Tucal (250 Chelspa)
Delete	solid dentifrice chlorophyll Millophyline (346 Dales)					linetus 4 oz 31 0 7 9 4 6 40 oz 23 6ea 5 103ea
	amponles 6	68 0 .		8	6	80 oz 45 0ea 11 3ea
	48	42 6ca		ŭ	•	lozenges 16 0 4 0 2 6
	Noshok (453 Fecher)					69 0 17 3 10 3
	caustic pencils	5 4	1 4		9 ½	Val-Pak (343 DH)
	Nystatin (1176 Squibb)					● large tube 24 2 12 1 3 9
•	dusting powder ½ oz	7 0ea		10	6 TS	Veedip (1273 Veedip)
	Optabs (175 BCP)	0.4 0	0		0 1	gloves household flesh
	kit pack	24 3	6	2	9 p1	light $22 6 1 1\frac{1}{2}$
	Orastrep (378 DCBL) suspension 50 mils	100 0 .		12	6 s4BTS	medium 28 0 1 5
	tablets 25	110 0		13	9 s4BTS	heavy $39 \ 0 \ 1 \ 1\frac{1}{2}$
	100	31 Sea		47	6 s4BTS	old rose $24 ext{ 0} ext{ 1} ext{ } 2\frac{7}{2}$
	500	145 Oca		217		surgeons' latex premier quality white $26-6-1-3\frac{3}{4}$
	Ovaltine (1303 Wander)					special heavy weight, white 55 0 2 9
	chuckles	7 2 .			9	suprex quality, brown 29 0 1 5
	Pabalate (1071 Robins)	2002 0			4 mo	velvex brown, sizes 5 and 5 k
	tablets hydrocortisone 500	2608 - 0	652 - 0	380	4 TS	rough finish 42 0 2 1
	Pepsodent (955 Pepsodent)	o2 91	6 8	3	9	smooth finish 45 0 2 3
	tooth-paste economy size Phillips (976 PS&T)	$28 3\frac{1}{2}$	6 8	§ 3	9	ice bag 8 in 3 6ea
Delete		ing cream				10 in 4 3ea
20000	Potter's (995 Potter's)	ing oroun				Vitalising (1286 VGC)
	skin clear ointment	9 0	2 3	1	6	(distributors 1141 Simpkin)
A	Protogest (208 BW)					glucose tablets rolls 4 6 6
	vet 100 mils 6	216 0 .		24	0	Vitesso (359 DDD)
15.7.4	Ross (1084 Ross)					shampoo 6 10 1 9 1 0
Delete	entry 1125/3 Ross (1084 Ross)					Vosene (303 County)
	binoculars					shampoo sacliet 4 4 1 1 7 cream sachet 4 4 1 1 7
	Stepmir 10 × 50			1023	11	
	Stepsun 12×50					Wellcome (208 BW)
	Tropical 7 × 40			970	10	pertussis vaceine 0·5 mils 3 45 4 5 8 5 cc 80 0 10 0
	10×50			1131	9	5 cc 80 0 10 0 A semen diluent (vet) 50 cc 63 0 7 0
	micro-projection attachment				0	1 staphylococcus toxoid (vet)
	mobile collapsible stand			371	0	100 cc 405 0 45 0 VPO
	Simpkin's (1141 Simpkin)	9 0			Δ	A swine erysipelas antiscrum
	peppermint rolls (rose) SteriShave (438 ER)	3 0 .			4	(vet) 100 cc 162 0 18 0 VPO
	razor bath	22 0	11 0	3	9	A 250 cc 346 6 38 6 VPO
	refills	18 0	9 0	3	ŏ	Delete whooping cough vaccine all sizes
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	elixir 4 oz	44 0 .			11 †s1s4A	compound herbs 12 0 3 0 2 0
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	Thermos (1226 Thermos)			4.4	•	R tablets with phenobarbitone
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2	ampoules 5 mils 5	42 4ea 200 0ea		63 300	6 0	96 Brompton Road, London, S.W.3. Knightsbridge 3771.
	25	200 0ea	٠.	300	0	Jo Monipadi Rolly Dollari, P. 1135. Ringhedriage 3171.

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Wool:—(not interleaved) Absorbent cotton, B.P.C. Absorbent cotton, hospital	• • •	• • • • • • • • • • • • • • • • • • • •					0 101	1 5½ —	2 3 1 7½	4 1 2 10	$\begin{array}{cccc} 7 & 7\frac{1}{2} \\ 5 & 1\frac{1}{2} \end{array}$
Absorbent, B.P.C Boric lint, B.P.C						Size 1 0 10	1 $2\frac{1}{2}$ Size 2 1 $3\frac{1}{2}$	2 2 Size 4 2 3½	3 6 Size 8 3 9	6 7 Size 16 7 1½	12 8½
GAUZE:— Absorbent, B.P.C., 36 in, wide								1/2 yd. 0 8	1 yd. 1 2	3 yd. 2 8½	6 yd. 4 5
Bandages				1 in. s. d.	$\frac{1\frac{1}{2}}{s}$ in.	2 in. s. d.	$\frac{2\frac{1}{2} \text{ in.}}{s. d.}$	3 in. s. d.	$\frac{3\frac{1}{2} \text{ in.}}{s. d.}$	4 in. s. d.	6 in. s. d.
White open wove B.P.C. (not Crepe, B.P.C. (5 yd. stretched Domettc, B.P.C. 6 yd		ped) 6 	yd. 	0 4½ —	0 7	0 9 2 5	$\begin{array}{c c} 0 & 11 \\ 2 & 11 \\ 3 & 2\frac{1}{2} \end{array}$	1 1 3 6 3 10	4_0	$ \begin{array}{cccc} 1 & 5\frac{1}{2} \\ 4 & 6\frac{1}{2} \\ 5 & 1 \end{array} $	$\begin{array}{cccccccccccccccccccccccccccccccccccc$

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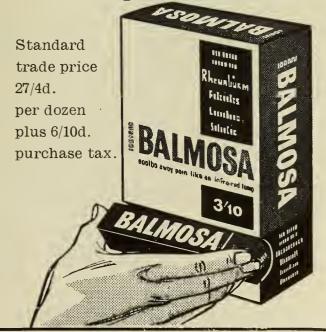
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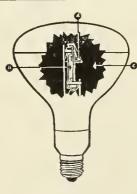
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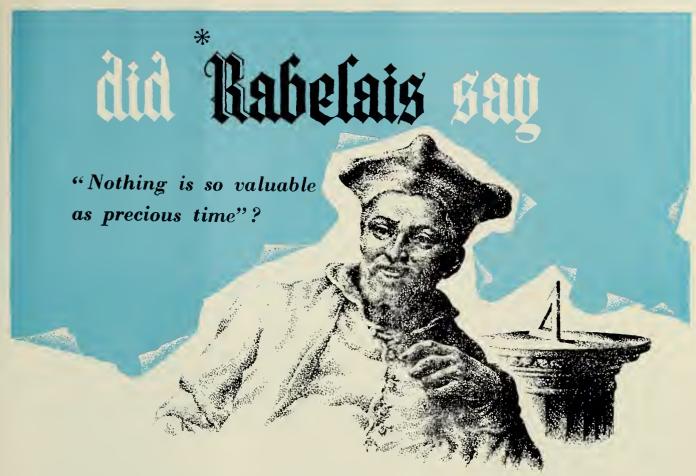
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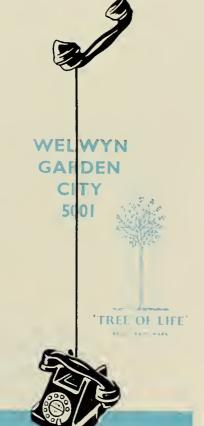
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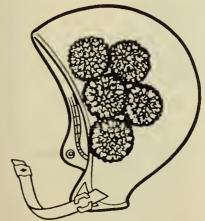
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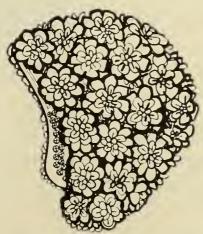
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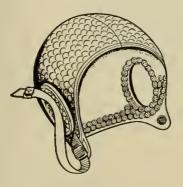


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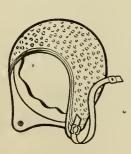


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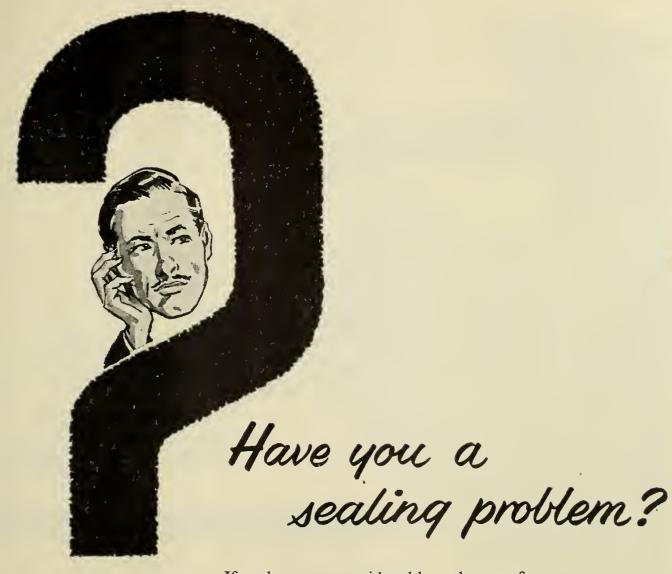
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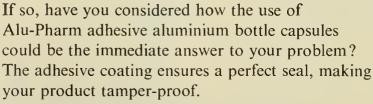
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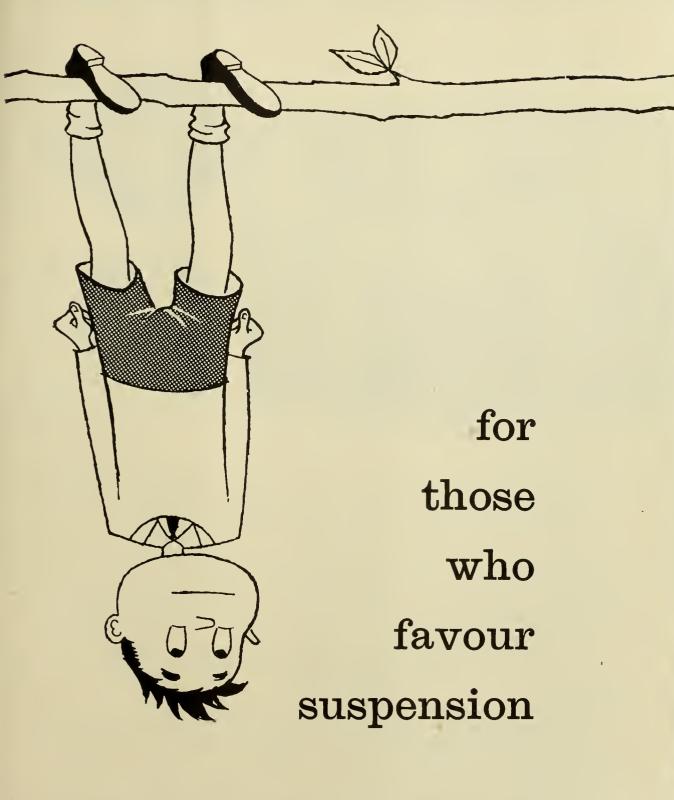
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RETIREMENT. Drug Stores (old-established), corner position, living accom., two-car garage. Four-figure turnover. Offers wanted. R. G. Davis, 1 Sycamore Road, Aston, Birmingham, C 3475

APPOINTMENTS

CENTRAL GROUP HOSPITAI

MANAGEMENT COMMITTEE

Senior Pharmacist

for Bethnal Green Hospital, Modern department approved for training students. Salary scale £770—£1,010 p.a. plus higher qualification allowance and London Weighting. Please apply with details of age, training and experience to the Group Secretary, 213 Kingsland Road, London, E.2. C 553

CHARING CROSS GROUP OF HOSPITALS FULHAM HOSPITAL, ST. DUNSTAN'S ROAD, HAMMERSMITH, W.6

Pharmacist
required. Whitley Council salary scale and conditions. Hospital is within 5 minutes walk of Hammersmith Station, Applications to Secre-

CENTRAL GROUP HOSPITAL
MANAGEMENT COMMITTEE
Locim Pharmacists
Holiday relief vacancies in the Group Hospitals:
8th May—13th May
19th June—1st July
24th June—12th August
28th August—2nd September
Salary 18 guineas p.w. Applications with full details to Chief Pharmacist, Metropolitan Hospital, London, E.8.
C 6342

CHARING CROSS GROUP OF HOSPITALS FULHAM HOSPITAL ST. DUNSTAN'S ROAD,

HAMMERSMITH, W.6 Assistant-in-Dispensing required. Whitley Council salary scale and conditions. Hospital is within 5 minutes walk of Hammersmith Station. Applications to Secre-

DERBY No. 2 HOSPITAL MANAGEMENT COMMITTEE, BABINGTON HOSPITAL, BELPER, DERBYSHIRE

Applications are invited for the following post: Chief Pharmacist, Group Basis, Category II Salary £895 x £35 (3)—£1,000 x £40 (5) to

successful applicant will be responsible for

The successful applicant will be responsible for organising and maintaining this service throughout hospitals in the Group and will be based at Babington Hospital, Belper.

Applications, stating age, qualifications and full details of experience, together with the names of two referees to be forwarded as soon as possible to the Group Secretary, Derby No. 2 Hospital Management Committee, Babington Hospital, Belper.

Canvassing directly or indirectly will disqualify and applicants must disclose in writing whether they are related to any member or senior officer of the Committee.

they are related to of the Committee.

C 6338

DORSET COUNTY HOSPITAL, DORCHESTER

required. Salary scale: £690 to £920 per annum.
Applications stating age, qualifications and experience, and names of two referees, to Group Secretary, West Dorset H.M.C., Damers Road.
Dorchester, Dorset, immediately. C 6326

HOSPITALS FOR DISEASES OF

THE CHEST
Senior Pharmacist
Applications are invited for the above post at
THE LONDON CHEST HOSPITAL, Salary in
accordance with the Whitley Council scales.
Applications, stating age, qualifications and experience, accompanied by two testimonials, to
the House Governor, London Chest Hospital.
E.2. C 6305

KING EDWARD VII HOSPITAL, WINDSOR Assistants-in-Dispensing

Two (one temporary) required, with full details to Secretary. Applications

KING EDWARD VII HOSPITAL,

WINDSOR
Senior Pharmacist
Applications are invited for the above post.
Salary £770—£1,010 p.a. Applications stating age, qualifications and experience to Secretary.

LONG GROVE HOSPITAL,
EPSOM, SURREY
Senior Pharmacist

Applications are invited for the above appointment at the above hospital. Whitley Council conditions of service. Salary £770 x £30 (1)—£800 x £35 (6)—£1,010 plus London Weighting. Written applications with the names of two referees to the Physician Superintendent. C 6323

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Chief Pharmacist (Category III)
Applications are invited for the above post for Friern and Halliwick Hospitals. Salary scale £970 to £1,290 p.a. plus London Weighting. Full particulars, together with names of two referces, to the Group Secretary, Friern Hospital, New Southgate, London, N.11, within 10 days of the appearance of this advertisement.
C 6341

SEAMEN'S GROUP, DREADNOUGHT SEAMEN'S HOSPITAL, GREENWICH, S.E.10

Locum Pharmacist
required from 17th July—5th August; 14th—
26th August; 25th September—30th September.
Weekly salary 18 guineas plus hourly rate 12/6
for two overtime sessions of two hours each

AND

ALBERT DOCK ORTHOPAEDIC
HOSPITAL, E.16
Locum Pharmacist
required from 28th August—16th September.
Weekly salary £20 9s. 6d.
Apply, House Governor, Dreadnought Hospital, Greenwich, S.E.10.

C 554

UPTON HOSPITAL,

SLOUGH
Locum Senior Pharmacist
required 4th April, part-time considered. Applications to Secretary, Upton Hospital, Slough.
C 6329

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should be sent to the Secretary, General Hospital, Southend-on-Sea, as soon as possible.

C 6335

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SHEFFIELD STREET,
LONDON, W.C.2
Part-time Pharmacist
Four 4-hour sessions weekly. Apply: As
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UPTON HOSPITAL,

SLOUGH

Senior Pharmacist
required 1st April. Applications stating age, qualifications and experience to Secretary, Upton Hospital, Slough.

C 6330

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Manufacturers of "ALKA-SELTZER" and a range of DIAGNOSTIC REAGENT PRODUCTS, require an

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The work will be varied and interesting ranging from the improvement of existing processes to the development of completely new products. The factory is situated in a pleasant country district near the sea-coast. The appointment will carry an attractive salary and first-class Life Assurance and Superannuation Scheme. Apply:

> Personnel Officer, Miles Laboratories Limited, Bridgend Industrial Estate, GLAMORGAN.

C 6328

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AYRTON, SAUNDERS & CO., LTD., quire a keen pharmacist who is capable of taking administrative control of a well equipped and expanding tablet dept, Industrial experience would be an asset, but we should be interested to hear from other pharmacists who are prepared to undergo appropriate works training. A contributory pension and life contributory are prepared to funding appropriate works training. A contributory pension and life assurance scheme is in operation. Please apply with full details to: Technical Director, 34 Hanover 6326 Street, Liverpool, 1.

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The successful applicant would also be required to keep in touch with modern therapeutic trends and be cap-able of extracting significant data of potential value to the sales and marketing division.

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C 6312

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Box C 6340.

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C 140

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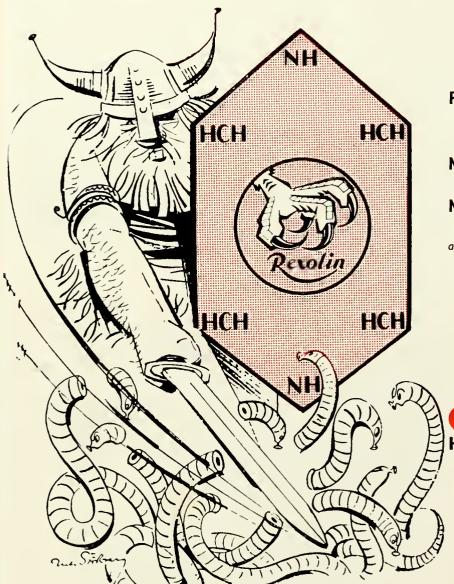


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